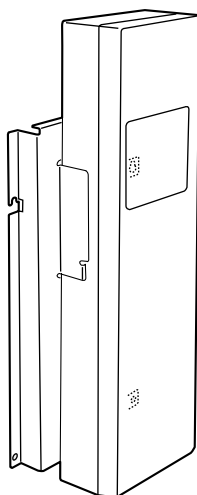


SHARP SERVICE MANUAL

CODE : 00ZARFX8//A1E




LASER PRINTER OPTIONS FAX EXPANSION KIT (For North America)

MODEL AR-FX8

OPTION AR-MM9

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Parts marked with “” are important for maintaining the safety of the set.

Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

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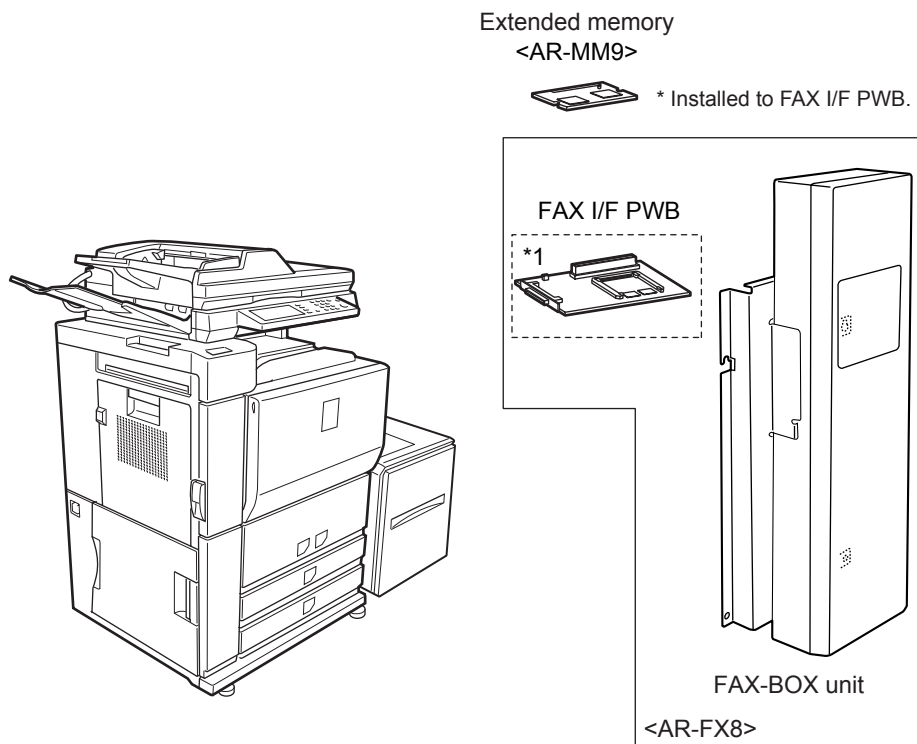
[1] PRODUCT OUTLINE

This unit provides the FAX function and the PC-FAX function when installed to the following machines:

Machines to install this unit :

- ARM550U/N
- ARM620U/N

[2] CONFIGURATION



*1) Installed to the machine MFP controller PWB.

[3] SPECIFICATIONS

1. FAX function

A. Transmission method

| | |
|--------------------|--|
| Transmission time | 2 second level (Super G3) 6 second level (G3 ECM) |
| Compression method | MH, MR, MMR, JBIG |
| Modem speed | 33.6kbps → 2.4kbps automatic fallback |
| Intercommunication | Super G3 / G3 |
| Communication line | General telephone line (PSTN), |
| ECM | Available |

B. Number of Support Line

| | |
|-----------|--------------|
| Standard | 1 line |
| Expansion | Not provided |

C. Transmission Mode

| | |
|--------------------------------|---|
| DSPF/OC transmission switching | Available (Switching during the reading is not feasible) |
|--------------------------------|---|

D. Fax Image Quality/Image Process

| | |
|------------------------|---|
| Half tone reproduction | Equivalent to 256 levels |
| Exposure adjustment | Auto / Manual (5 steps) |
| Quality selection | Half-tone ON/OFF |
| Resolution* | Standard (8x3.85 lines/mm , 203.2x97.8dpi) Fine (8x7.7 lines/mm , 203.2x195.6dpi) Super Fine (8x15.4 lines/mm , 203.2x391dpi) Ultra Fine (16x15.4 lines/mm , 406.4x391dpi) |

E. Record Size

| | |
|-------------------|--------------------------|
| Max. record width | 293mm |
| Record size | A3~A5, 11"x17"~5.5"x8.5" |

F. Dial

| | |
|---------------------|---|
| Manual dialing | To be entered by 10-key, # key, * key |
| Chain dialing | To be used in conjunction with Pause, up to 64 digits |
| Re-dialing | To recall the latest number dialed with 10-key One-touch call is available. |
| One-touch dial | 999 destinations (E-mail address included) |
| Abbreviated dialing | Not available |
| Group dialing | To be registered in the one-touch dialing |
| Dial search | Alphabet order search, User index groups |
| Program | 8 destinations |
| Handset | Not available |
| Quick search | Available |

G. Definition of Multiple Destinations

| | |
|---------------------------------|--|
| Usable dials | Manual dial, One-touch dial and Group dial |
| Definable destination | Max. 500 destinations |
| Sequential broadcasting | Available |
| Simultaneous Scan to E-mail | Available (Specifying multiple destinations among FAX, E-mail and transmit with 1 scan) |
| Sequential transmission request | Available (FAX mode only) |

H. F code transmission

| | |
|-------------|-----------|
| Sub address | Available |
| Password | Available |

I. Memory for Transmit/Receive

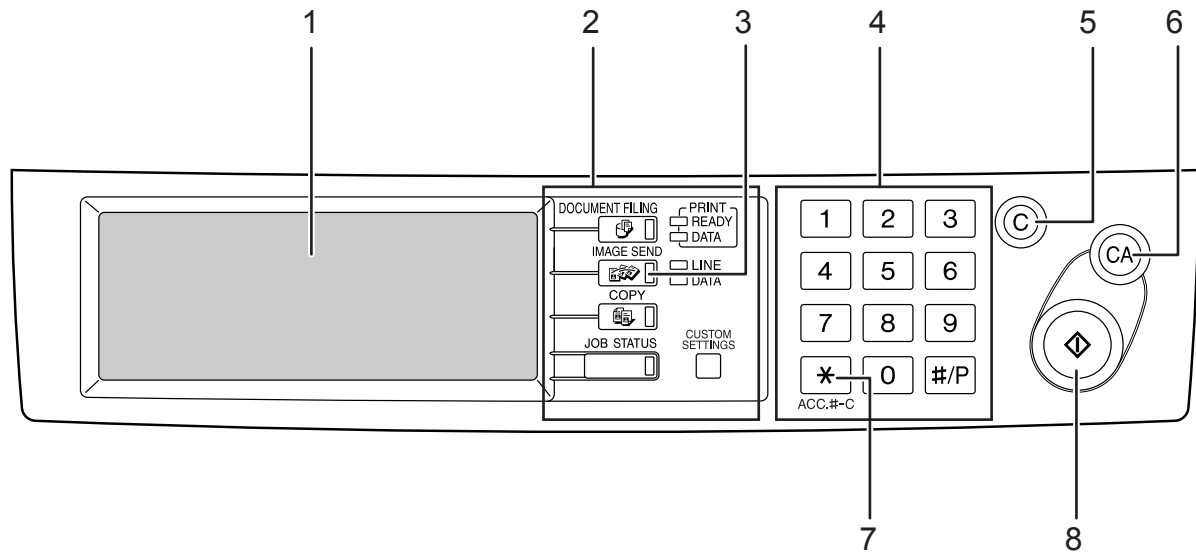
| | |
|-----------------|------------------------------------|
| Standard | Data back-up with 2MB flash Memory |
| Memory extended | Expandable |

J. Function

| | | |
|----------------------|--|---|
| Transmit function | Memory transmit | Available (Definable destinations : 99 destinations) |
| | On-hook | Available |
| | Quick online transmit | Available |
| | Direct transmit | At on-hook only |
| | Auto reduction transmit | Available A3 → B4, A3 → A4, B4 → A4 |
| | Rotation transmit | Available |
| | Re-call mode | Available (Re-call times/interval of time to be set by key operator program) |
| | Book original transmit | Available |
| | Long length original transmit | Available |
| | Verification stamp function | Option |
| Receive function | Auto receive | Available |
| | Manual receive | Available |
| | Memory receive | Available |
| | Reduced receive for standard size | Available |
| | Scaling receive for specified size | Not available |
| | Rotation receive | Available |
| | Divided receive | Available (To be defined by key operator program) |
| | Duplex receive | Available (To be defined by key operator program) |
| | 2 in 1 receive | Not available |
| | Authorized receive only for specified number | Not available |
| | Prohibited receive only for specified number | Available |
| | Auto switching between TEL/FAX | Not available |
| | External phone connection, remote | Available |
| | Answering phone connection | Not available |
| | Transfer function at output trouble | Available |
| | Auto wake up mode | Available |
| | Call hold | Not available |
| Special function | Time setting | Available |
| | Transmit request | Available |
| | Remote transmit | Available |
| | Cover function | Not available |
| | Print at sender | Available (Always ON) |
| | Page division | Available |
| | Page combination | Not available |
| | Confidential | Available (F code method) |
| | Transmit broadcast direction | Available (F code method) |
| | Transmit message | Not available |
| | Scaling transmit | Available |
| | Edge erase | Available |
| | Center erase | Available |
| | 2 in 1 | Available |
| Report/List function | Card shot | Available |
| | Transmit/receive record | Available |
| | Transmit/receive result | Available |
| | Address/phone directory list | Available |
| | Group list | Available |
| | Sender list | Not available |
| | Confidential box check list | Not available (Integrated to the memory box list) |
| | Transmit group list | Not available (Integrated to the memory box list) |
| | Program list | Available |
| | Reserved transmit list | Not available |
| | Memory box list | Available (FAX mode only) |
| | Memory clear notice list | Available (FAX mode only) |

[4] EXTERNAL VIEWS AND INTERNAL STRUCTURES

1. Operation panel



| | | |
|---|-------------------|--|
| 1 | Touch panel | <ul style="list-style-type: none"> •Messages and keys appear in the touch panel. Touch the displayed keys to select functions and enter settings. •When a key in the touch panel is touched, a beep sounds and the key is highlighted. •Keys that cannot be selected in a screen are grayed out. If touched, a double-beep will sound to alert you that the key cannot be selected. |
| 2 | Mode select keys | Use to select the basic modes of the product. |
| 3 | IMAGE SEND key | Press to switch to fax mode. The main screen of fax mode will appear. The screen that appears when this key is selected can be changed with "Default display settings" in the key operator programs. |
| 4 | Numeric keys | Use to enter fax numbers, sub-addresses, passcodes, and numerical settings. |
| 5 | C key (clear key) | Use to clear a mistake when entering fax numbers, sub-addresses, passcodes, and numerical settings. One digit is cleared each time you press the key. When an original is being scanned, this key can also be used to cancel scanning. |
| 6 | CA key | Use to cancel a transmission or programming operation. When this key is pressed, the operation is canceled and you return to the main screen. This key is also used to cancel resolution, paper size and special function settings. |
| 7 | * key | This is used to produce tone signals when you are on a pulse dial line. |
| 8 | Start key | Press to begin scanning an original for fax transmission. |

2. FAX mode (Condition setting screen)

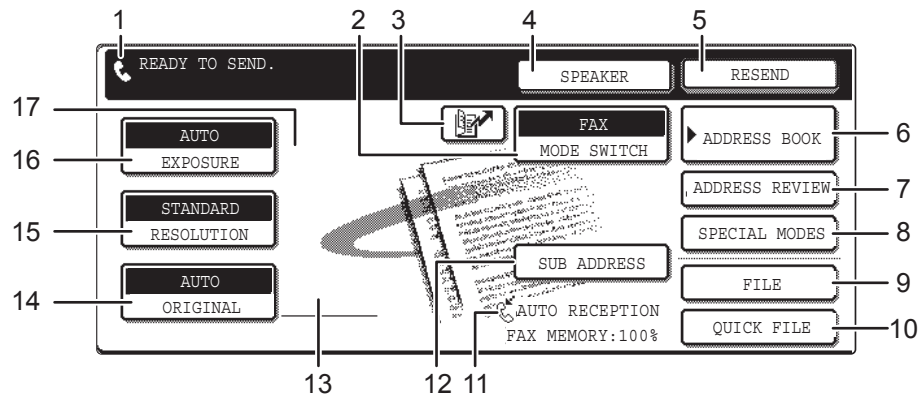
The condition setting screen of fax mode is displayed by pressing the IMAGE SEND key while filing documents, copy mode, or job status screen appears in the touch panel. In the explanations that follow, it is assumed that the initial screen that appears after pressing the IMAGE SEND key is the condition setting screen (shown below). If you have set the display to show the address book (following page) when the IMAGE SEND key is pressed, touch the CONDITION SETTINGS key in the address book to display the condition setting screen.

"Default display settings" in the key operator programs can be used to select whether the condition settings screen (below) appears or the address book screen (next page) appears when the [IMAGE SEND] key is pressed.

* When the network scanner option is installed, you can select whether the "E-MAIL/FTP" screen or the "INTERNET FAX" screen appears when the [IMAGE SEND] key is pressed (the selection is made in the key operator programs).

A. Condition setting screen

The display is initially set (factory setting) to show the following condition setting screen as the initial screen.

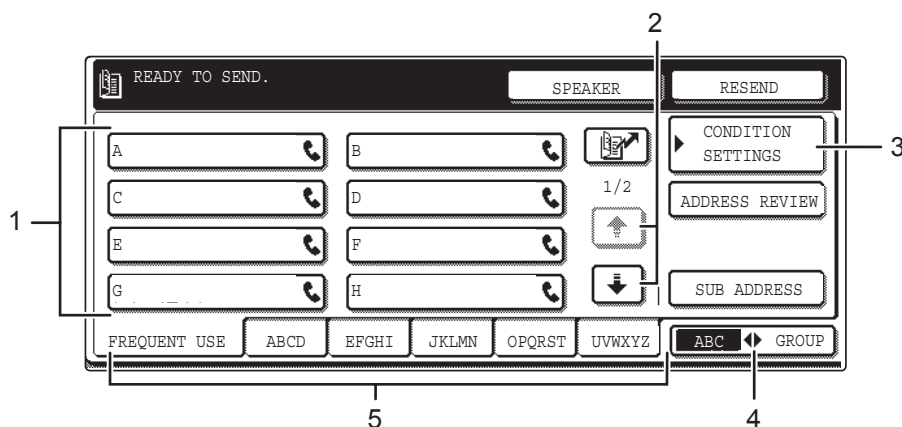


| | | |
|----|-----------------------------------|--|
| 1 | Message display | Messages appear here to indicate the current status of the machine. The icon at left indicates fax mode. |
| 2 | [MODE SWITCH] key | Use this key when the network scanner option is installed to switch between the "E-MAIL/FTP" and "INTERNET FAX" screens |
| 3 | [SPEED DIAL] key | When a one-touch dial key or group key is stored in the address book, the machine automatically assigns it a 3-digit number (called a Speed Dial number in this manual). This key and the Speed Dial number can be used to abbreviate the transmission procedure. |
| 4 | [SPEAKER] key | Touch the [SPEAKER] key to dial and transmit a fax manually. During dialing it changes into the [PAUSE] key, and after pressing the [SUB ADDRESS] key it changes into the [SPACE] key. |
| 5 | [RESEND] key | Touch this key to redial the number most recently dialed with the numeric keys or a one-touch dial key. After dialing, this key changes into the [NEXT ADDRESS] key. |
| 6 | [ADDRESS BOOK] key | Touch this key to display the address book screen (next page). Touch this key when you want to use an auto-dial number (one-touch dialing or group dialing). |
| 7 | [ADDRESS REVIEW] key | When performing a broadcast transmission, touch this key to check your selected destinations. The selected destinations will appear and any unneeded destinations can be deleted. |
| 8 | [SPECIAL MODES] key | Touch this key to select one of the following special functions: <ul style="list-style-type: none"> •Edge erase •Dual page scan •Timer transmission •2in1 •Card shot •Job build mode •Own number sending •Polling •Memory box •Program |
| 9 | [FILE] key | Touch this key to store a document image that you are transmitting in the hard disk (this includes selecting a user name, file name, and location). |
| 10 | [QUICK FILE] key | Touch this key to store a document image that you are transmitting in the temporary storage folder. |
| 11 | Memory and reception mode display | This shows the amount of fax memory that is free and the currently selected reception mode. |
| 12 | [SUB ADDRESS] key | Touch this key to enter a sub-address and passcode when using F-code transmission. |
| 13 | Two-sided scanning icon display | Icons appear here when you touch the [ORIGINAL] key and select two-sided scanning. The icons can be touched to open function selection screens. |
| 14 | [ORIGINAL] key | Touch this key when you wish to manually set the size of the original to be scanned or scan both sides of the original. |
| 15 | [RESOLUTION] key | Touch this key to change the resolution setting for the original to be scanned. The selected resolution setting will be highlighted above the key. The initial factory setting is [STANDARD]. |
| 16 | [EXPOSURE] key | Touch this key to change the exposure setting for the original to be scanned. The selected exposure setting will be highlighted above the key. The initial factory setting is AUTO. |
| 17 | Special function icon display | When a special function such as polling or dual page scan is selected, a special function icon appears here. |

B. Address book screen (alphabetically ordered)

The screen below appears initially when the address book is set as the initial screen using "Default display settings" in the key operator programs.

- The screen below is the alphabetical index screen. You can also have the user index screen appear initially.
- The screen appears as shown below when the network scanner option is not installed.



| | | |
|---|------------------------|---|
| 1 | One-touch key display | This shows the one-touch keys that have been stored on the selected "index card". The key type is indicated by the icon at the right. One-touch keys in which a fax number is stored are indicated by a "☎" icon. The display is initially set to show 8 keys. This can be changed to 6 or 12 using the key operator program. |
| 2 | Display switching keys | When more one-touch keys are stored than can be displayed in one screen, touch the "↑" "↓" keys to change screens. |
| 3 | CONDITION SETTINGS key | This displays the condition setting screen (previous page), which is used to set various conditions. |
| 4 | ABC ◀ GROUP key | Touch this key to switch between the alphabetical index and the group index. |
| 5 | Index keys | One-touch key destinations are stored on each of these index cards (alphabetical index or group index). Touch an index key to display the card. Group indexes make it possible to store one-touch keys by group with an assigned name for easy reference. This is done with the custom settings. Frequently used one-touch key destinations can be stored on the FREQUENT USE card for convenient access. |

NOTE

When the network scanner option is installed and a destination other than a fax numbers is stored in a one-touch key, one of the following icons will appear.

✉:Scan to E-mail destination

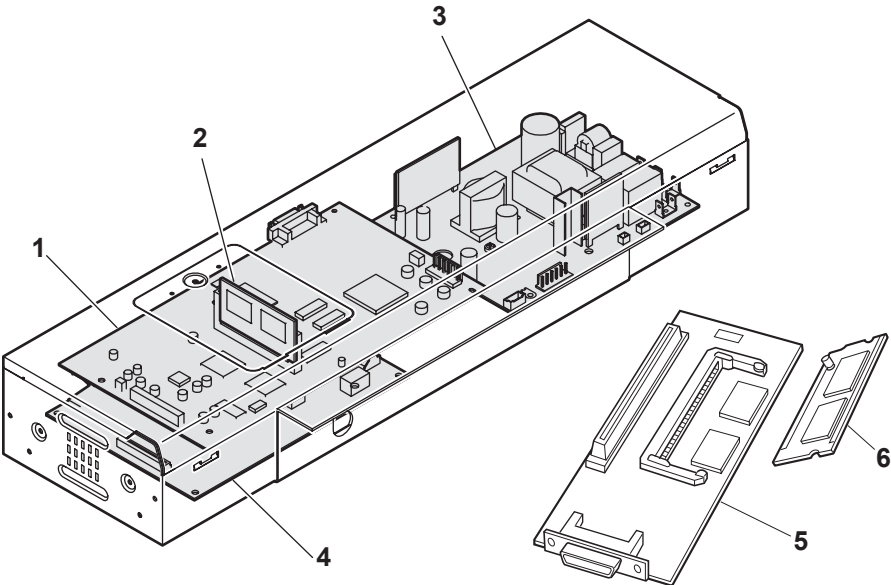
🌐:Internet fax destination

📁:Scan to FTP destination

💻:Scan to Desktop destination

📧:Multiple destinations (Scan to E-mail, fax, etc.)

3. PWB



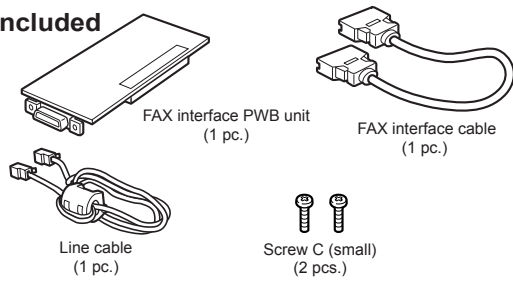
| | | |
|---|--|---|
| 1 | Modem control PWB | FAX communication control |
| 2 | FAX FLASH ROM PWB | FAX control program |
| 3 | FAX power PWB | Supplies power to the FAX unit. |
| 4 | TEL/LIU PWB | TEL line communication control |
| 5 | FAX I/F PWB (Installed to the machine side) | Connection between FAX and MFP controller |
| 6 | FAX extended memory (Installed to FAX I/F PWB) | <AR-MM9> |

[5] UNPACKING AND INSTALLATION

<Before installation>

- For installation of AR-FX8, the MFP control PWB unit must have been installed.
- Start installation after checking that the LINE indicator and the DATA indicator below it on the operation panel are neither lit nor blinking.

Parts included

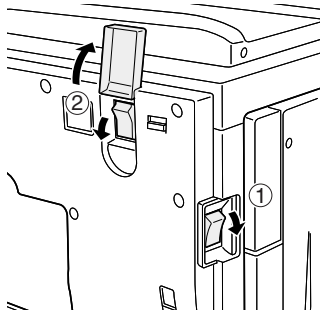


1) Turn off the power switch of the main unit.

<1> Turn the power switch located on the right side of the main unit to the "OFF" position.

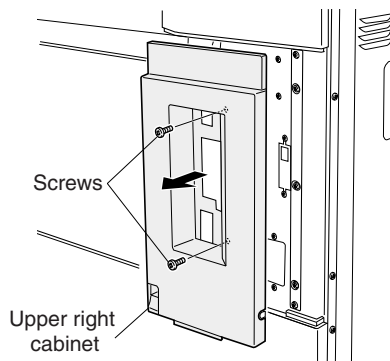
<2> Open the front cabinet and turn the main power switch to the "OFF" position.

<3> Remove the power plug of the main unit from the outlet.



2) Remove the MFP control PWB.

<1> Remove the two screws that secure the upper right cabinet and remove the upper right cabinet.

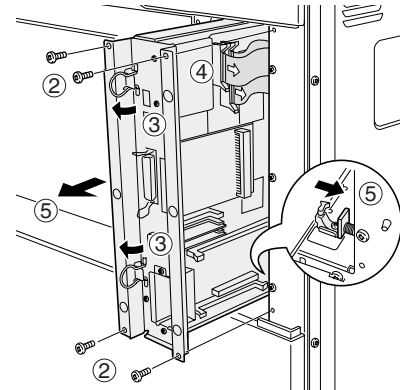


<2> Remove the four screws that secure the MFP control PWB unit to the main unit.

<3> Raise the two grips and hold them to pull out the MFP control PWB unit until the stopper is engaged.

<4> Remove the two flat cable connectors.

<5> While using your finger to release the stopper, pull the MFP control PWB unit out of the main unit.

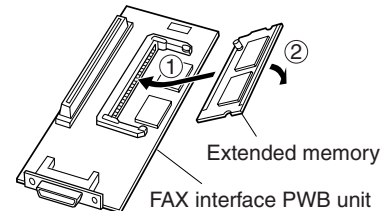


<Step for mounting extended memory (AR-MM9)>

* If you need not mount an extended memory, proceed to step 4).

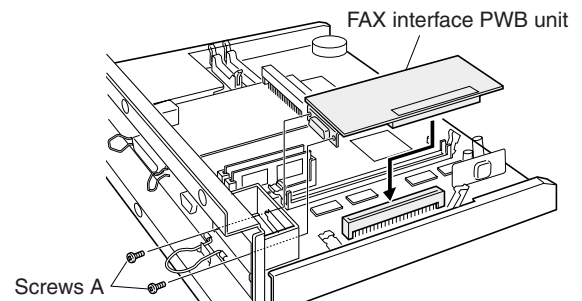
3) Mount an extended memory.

Mount an extended memory to the socket located on the back of the FAX interface PWB unit.



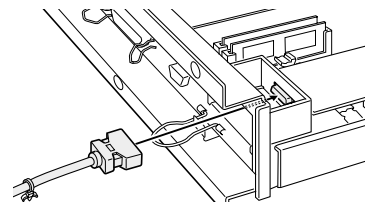
4) Attach the FAX interface PWB unit.

Connect the FAX interface PWB unit to the FAX interface PWB connector (100 pin) on the MFP control PWB unit and secure it with two screws A.



5) Connect the FAX interface cable.

Connect the FAX interface cable to the MFP control PWB unit.



<Caution>

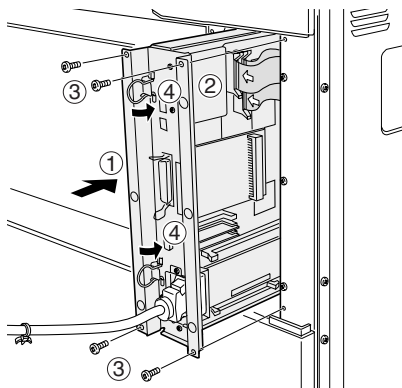
Ensure that both ends of the connector are securely locked and the connector is not inserted at an angle.

- 6) Reattach the MFP control PWB unit.
 <1> Reattach the MFP control PWB to the main unit.
 <2> Connect the two flat cable connectors that have been removed in step 2).

<Caution>

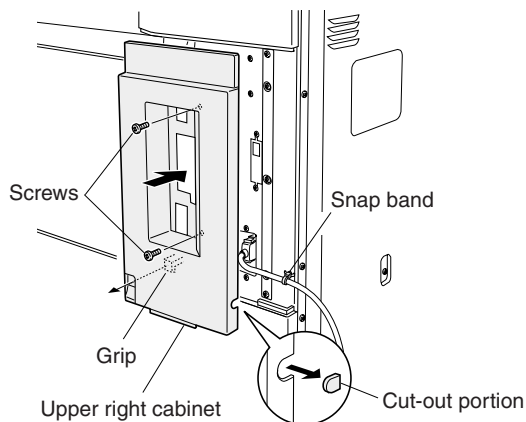
Ensure that both ends of the connector are securely locked and the connector is not inserted at an angle.

- <3> Secure the unit with four screws.
 <4> Return the grips to their original positions.

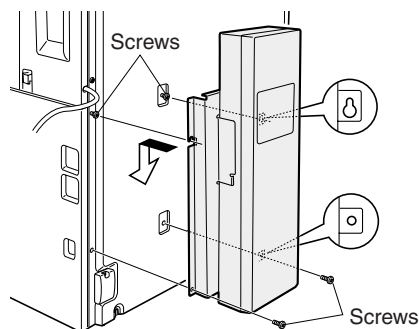


- 7) Reattach the upper right cabinet.
 Secure the snap band of the FAX interface cable.
 Then, remove the cut-out portion for cable arrangement from the upper right cabinet that has been removed in step 2).

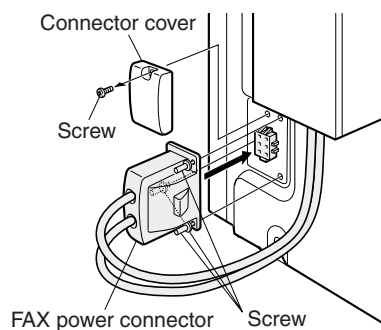
Pull out the grip of the main unit, pass it through the hole shown in the illustration, then attach the upper right cabinet to the main unit, and secure it with the two screws.



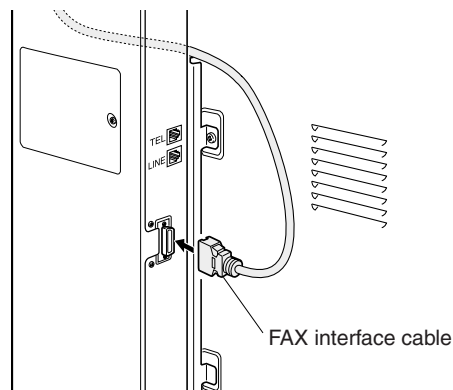
- 8) Attach the FAX box unit.
 Among the four screws shown in the illustration that secure the rear cabinet, remove the lower two screws and loosen the upper two screws.
 Then, hang the FAX box unit on the two loosened screws and secure it with the two removed screws.
 Finally, tighten the two loosened upper screws to secure the FAX box unit.



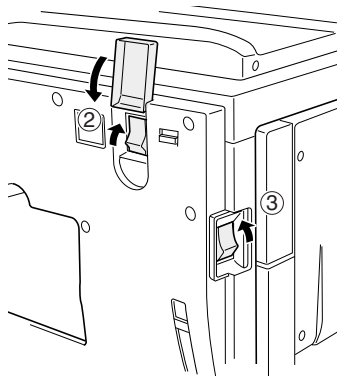
- 9) Connect the FAX power connector.
 Remove the screw that secures the connector cover on the main unit for connection with the FAX power connector.
 Then, connect the FAX power connector to the connector on the main unit and tighten the three screws on the connector to secure the connector.



- 10) Connect the FAX interface cable to the FAX box unit.
 Pass the FAX interface cable behind the FAX box unit and connect it to the FAX box unit.



- 11) Turn on the main power switch and the power switch of the main unit.
- <1>Insert the power plug of the main unit to the outlet.
- <2>Turn on the main power switch.
- Then, close the front cabinet.
- <3>Turn on the power switch located on the right side of the main unit.



- 12) Set the destination of the main unit.
- * Be sure to set the destination of the main unit before setting the destination of the FAX.
- <1>Switch the operation panel to the copy mode and use the key operation [P], [F], [C], and [F] to enter the simulation mode.
- <2>Use the 10-key pad to enter "26" in the main code entry screen shown below and press the START key.

SIMULATION
INPUT A MAIN PROGRAM NUMBER BY 10-KEY PAD, AND PRESS START.

2 6

- <3>Use the 10-key pad to enter "6" in the sub-code entry screen shown below and press the START key.

SIMULATION 26
INPUT A SUB PROGRAM NUMBER BY 10-KEY PAD, AND PRESS START.

3 . AUDITOR SETUP.

5 . A3 (LEDGER) COUNT UP MODE SETTING.

6 . DESTINATION SETUP

6

- <4>Use the 10-key pad to enter the number of the desired destination in the submenu screen shown below and press the START key.
- (For example, to set the UK as the destination, enter "7" and press the START key.)

- * When the START key is pressed, the machine will be automatically rebooted and will start with the setting of the selected destination.

SIMULATION 26-6
DESTINATION SETUP. SELECT 1-10, AND PRESS START.

1. USA

2. CANADA

3. INCH

4. JAPAN

5. AB_B

6. EUROPE

7. UK

8. AUSTRALIA

9. AB_A

10. CHINA

7

- 13) Set the destination of the FAX.
- <1>Switch the operation panel to the copy mode and use the key operation [P], [F], [C], and [F] to enter the simulation mode.
- <2>Use the 10-key pad to enter "66" in the main code entry screen shown below and press the START key.

SIMULATION
INPUT A MAIN PROGRAM NUMBER BY 10-KEY PAD, AND PRESS START.

6 6

- <3>Use the 10-key pad to enter "2" in the sub-code entry screen shown below and press the START key.

SIMULATION 66
INPUT A SUB PROGRAM NUMBER BY 10-KEY PAD, AND PRESS START.

SWITCHING OF MENU : [#]

1. FAX SOFT SW. SETTING, 2. FAX SOFT SW.CLEAR.

2

- <4>Select the number of the desired destination referring to COUNTRY CODE TABLE, use the 10-key pad to enter the number in the submenu screen shown below and press the START key.
- (For example, to set the UK as the destination, enter "10110100" and press the START key.)

SIMULATION 66-2
FAX SOFT SW. CLEAR(WITHOUT ADJUSTMENT VALUE).

INPUT COUNTRY CODE, AND PRESS START.

1 2 3 4 5 6 7 8

1 0 1 1 0 1 0 0

- <5>Check the destination in the screen shown below. If the display is correct, use the 10-key pad to enter "1"(YES) and press the START key.

SIMULATION 66-2
FAX SOFT SW. CLEAR. ARE YOU SURE?

U.K

1. YES

2. NO

1

- <6>Press the CA key.
- * The machine is automatically rebooted and starts with the setting of the selected FAX destination.

COUNTRY CODE TABLE

| Destination | FAX Software SW No.1 - 8 | | | | | | | |
|-------------|--------------------------|---|---|---|---|---|---|---|
| U.S.A | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 |
| AUSTRALIA | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| NEWZEALAND | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| U.K. | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| FRANCE | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 |
| GERMANY | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| SWEDEN | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 |

14) Clear the image memory.

* If an extended memory (AR-MM9) has been mounted in step 3), be sure to carry out this step.

If no extended memory has been mounted, this step is not necessary.

<1> Switch the operation panel to the copy mode and use the key operation [P], [∗], [C], and [∗] to enter the simulation mode.

<2> Use the 10-key pad to enter "66" in the main code entry screen shown below and press the START key.

SIMULATION

INPUT A MAIN PROGRAM NUMBER BY 10-KEY PAD, AND PRESS START.

66

<3> Use the 10-key pad to enter "10" in the sub-code entry screen shown below and press the START key.

SIMULATION 66

INPUT A SUB PROGRAM NUMBER BY 10-KEY PAD, AND PRESS START.

SWITCHING OF MENU : [#]

1. FAX SOFT SW, SETTING.

2. FAX SOFT SW, CLEAR.

10

<4> Use the 10-key pad to enter "1" in the submenu screen shown below and press the START key.

SIMULATION 66-10

IMAGE MEMORY CLEAR. ARE YOU SURE ?

1. YES

2. NO

1

<5> The screen shown below is displayed and memory clear operation is executed.

SIMULATION 66-10

IMAGE MEMORY CLEAR. EXECUTING...

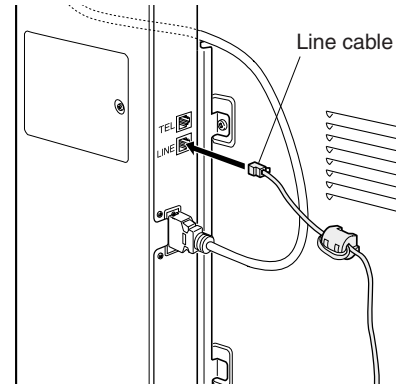
+++++

1

<6> After several minutes, memory clear operation is completed and then the main unit is rebooted automatically.

15) Connect the line cable to the FAX box unit.

Connect the line cable to the FAX box unit.



[6] SIMULATIONS, FAX SOFTWARE SWITCH

1. Entering the simulation mode

a. Nomal mode

Enter the copy mode and perform the following procedures.

[P] → [*] → [C] → [*] → [Main code] → [START] → [Sub code] → [START]

b. FAX mode

Enter the copy mode and perform the following procedures.

[9] → [*] → [8] → [#] → [7]

2. Switching the simulation mode

Press [USER SETTING] to return to the code entry screen.

3. Canceling the simulation mode

Press CA key to cancel the simulation mode.

4. Simulation list

| Code | | Function (Content) | Purpose | Section | Item | |
|------|-----|---|---|---------|-----------------|------------------------|
| Main | Sub | | | | | |
| 22 | 5 | Used to check the ROM version of each unit (section). | Other | | Software | |
| | 6 | Used to print the list of adjustments and setup data (simulations, FAX soft switches, counters). | Adjustment, setup, operation data output, check (print) | | Data | Setup, adjustment data |
| | 11 | Used to check the use frequency of FAX. (send/receive) (Only when FAX is installed.) | Adjustment, setup, operation data output, check (display) | FAX | Data | |
| 23 | 2 | Jam/Trouble data print | | | | |
| 24 | 10 | Used to clear the FAX counter. (After completion of maintenance, this counter must be cleared.) (Only when FAX is installed.) | Data clear | FAX | Counter | |
| 46 | 12 | Used to adjust the print density in the FAX mode (all modes). An adjustment with this simulation affects all the copy density adjustment values. (Only when FAX is installed) | Adjustment | | Picture quality | |
| | 13 | Used to adjust the print density in the FAX mode (Standard mode). (Only when FAX is installed.) | Adjustment | | Picture quality | |
| | 14 | Used to adjust the print density in the FAX mode (Fine mode). (Only when FAX is installed.) | Adjustment | | Picture quality | |
| | 15 | Used to adjust the print density in the FAX mode (Super Fine mode). (Only when FAX is installed.) | Adjustment | | Picture quality | |
| | 16 | Used to adjust the print density in the FAX mode (Ultra Fine mode). (Only when FAX is installed.) | Adjustment | | Picture quality | |
| 56 | 1 | Data transfer | | | | |
| 61 | 3 | Used to adjust laser power (absolute value) in the FAX reception mode. (Only when FAX is installed.) | Adjustment | | Operation | |

| Code | | Function (Content) | Purpose | Section | Item | |
|------|-----|---|--|---------|-----------|--|
| Main | Sub | | | | | |
| 66 | 1 | Used to set the FAX soft switch function. (Used to utilize the FAX soft switch function.) | Setup | FAX | | |
| | 2 | Used to set the FAX soft switch setup to the default. (Except for the adjustment values) | Data clear | FAX | Data | |
| | 3 | Used to check the operations of FAX PWB memory (read/write). (This adjustment is required when replacing the PWB with a new one.) | Operation test, check | FAX | Data | |
| | 4 | Used to check the operations of data signal output in the FAX data output mode. (Used to check the MODEM operation.) Send level Max. (Only when FAX is installed.) | Operation test, check | FAX | Operation | |
| | 5 | Used to check the operations of data signal output in the FAX data output mode. (Used to check the MODEM operation.) Signals are sent in the send level set with the soft switch. (Only when FAX is installed.) | Operation test, check | FAX | Operation | |
| | 6 | Used to print the confidential password. (Used when the confidential password is forgotten.) (Only when FAX is installed.) | User data output, check (display, print) | FAX | Data | |
| | 7 | Used to print the image memory data (memory send, receive). (Only when FAX is installed.) | User data output, check (display, print) | FAX | Data | |
| | 8 | Used to check the output operation of the FAX sound signals. (Sound output IC operation check) Send level Max. (Only when FAX is installed.) | Operation test, check | FAX | Operation | |
| | 9 | Used to check the output operation of the FAX sound signals. (Sound output IC operation check) (Only when FAX is installed.) | Operation test, check | FAX | Operation | |
| | 10 | Used to clear all data of image memory (memory send, receive). Confidential data are also cleared. (Only when FAX is installed.) | User data output, check (display, print) | FAX | Data | |
| | 11 | Used to check the output operation of FAX G3 mode 300BPS. (Used to check the MODEM operation.) Send level 0dB (Max.) (Only when FAX is installed.) | Operation test, check | FAX | Operation | |
| | 12 | Used to check the output operation of FAX G3 mode 300BPS. (Used to check the MODEM operation.) Signals are sent in the send level set with the soft switch. (Only when FAX is installed.) | Operation test, check | FAX | Operation | |
| | 13 | Used to enter (set) the number for the FAX dial signal output test. (The dial number signal set with this simulation is outputted in the dial signal output test with SIM 66-14~16) (Only when FAX is installed.) | Setup | FAX | Data | |
| | 14 | Used to set the make time in the FAX pulse dial mode (10PPS) and to test the dial signal output. (The dial number signal set with SIM 66-13 is outputted.) Used to check dialing troubles and the operation. (Only when FAX is installed.) | Setup | FAX | Operation | |
| | 15 | Used to set the make time in the FAX pulse dial mode (20PPS) and to test the dial signal output. (The dial number signal set with SIM 66-13 is outputted.) Used to check dialing troubles and the operation. (Only when FAX is installed.) | Setup | FAX | Operation | |
| | 16 | Used to test the dial signal (DTMF) output in the FAX tone dial mode. (The dial number signal set with SIM 66-13 is outputted.) The send level can be set to an optional level. Dialing troubles and operation. (Only when FAX is installed.) | Setup | FAX | Operation | |
| | 17 | Used to test the dial signal (DTMF) output in the Fax tone dial mode. Send level Max. Used to check the operation. (Only when FAX is installed.) | Setup | FAX | Operation | |
| | 18 | Used to test the dial signal (DTMF) in the FAX tone dial mode. The send level set with the soft switch is outputted. Used to check the operation. (Only when FAX is installed.) | Setup | FAX | Operation | |
| | 19 | Used to backup the Address data into the flash Memory (Option FAX memory:AR-MM9) (Only when FAX is installed.) | Setup | FAX | Operation | |
| | 20 | Used to restore the backup data (SIM 66-19) to Address data. (Only when FAX is installed.) | Setup | FAX | Operation | |

| Code | | Function (Content) | Purpose | Section | Item | |
|------|-----|---|--|---------|-----------|--|
| Main | Sub | | | | | |
| 66 | 21 | Used to print the FAX information (registrations, communication management, file management, system errors, protocol). (Only when FAX is installed.) | Adjustment, setup, operation data output, check (display, print) | FAX | Data | |
| | 23 | Used to download the FAX program. (Only when FAX is installed.) | Inhibited | FAX | | |
| | 24 | Used clear the FAST memory data. (Only when FAX is installed.) | Inhibited | FAX | | |
| | 25 | Used to register the FAX number for MODEM dial-in. (Only when FAX is installed.) | Inhibited | FAX | | |
| | 26 | Used to register the external telephone number for MODEM dial-in. (Only when FAX is installed.) | Inhibited | FAX | | |
| | 27 | Used to register the voice-warp transfer number. (Only when FAX is installed.)(Voice-warp:Japan only) | Inhibited | FAX | | |
| | 29 | Used to clear the Address data. | Setup | FAX | Operation | |
| | 30 | Used to check TEL/LIU status change. | Setup | FAX | Operation | |
| | 31 | Used to set the TEL/LIU status. | Setup | FAX | Operation | |
| | 32 | Used to check received data. | Inhibited | FAX | | |
| | 33 | Used to check signal detection. | Inhibited | FAX | | |
| | 34 | Used to measure and display the communication time. | Setup | FAX | Operation | |
| | 35 | Modem program rewriting.(Only when FAX is installed.) | Operation test, check | FAX | Operation | |
| | 36 | Used to check I/F between MFPC and MDMC. Check is made in the data line or the command line. | Operation test, check | FAX | Operation | |
| | 39 | Registration of FAX destination | | FAX | | |

5. Detail of simulations

| |
|---------------------|
| Main code 22 |
|---------------------|

22-5

| | |
|---------------------|---|
| Purpose | Other |
| Function (Content) | Used to check the ROM version of each unit (section). |
| Section | |
| Item | Software |
| Operation/Procedure | The version of each ROM is displayed. |

```

SIMULATION 22-5
ROM VERSION DATA DISPLAY.
S/N :      000000000
MFP :      1.00      (LANGUAGE : 1.00)
PCU :      1.00      BOOT :      1.00
SCANNER :   1.00      FAX :      1.00
FINISHER :   1.00
SADDLE UNIT : 1.00      LCC :      1.00
INSERTER :   1.00
  
```

<List of display values>

| | |
|-------------|------------------------------|
| S/N | Engine section serial number |
| MFP | MFP controller |
| (LANGUAGE) | (Language version) |
| BOOT | MFP controller boot ROM |
| FAX | FAX controller |
| PCU | PCU controller |
| SCANNER | Scanner controller |
| FINISHER | Finisher controller |
| SADDLE UNIT | Saddle unit |
| LCC | Side LCC |
| INSERTER | Insertter |

22-11

| | |
|---------------------|--|
| Purpose | Adjustment, setup, operation data output, check (display) |
| Function (Content) | Used to check the use frequency of FAX. (send/receive) (Only when FAX is installed.) |
| Section | FAX |
| Item | Data |
| Operation/Procedure | The counter data below are displayed. |

```

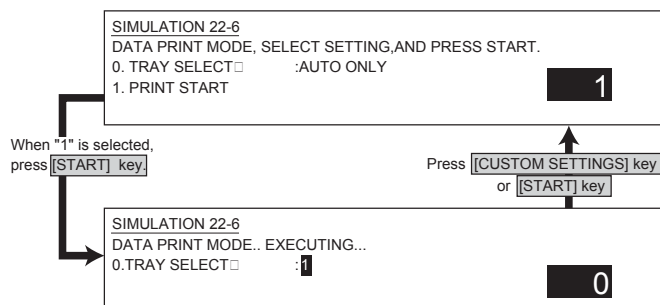
SIMULATION 22-11
FAX COUNTER DATA DISPLAY.
FAX SEND : *****   FAX RECEIVE : *****
FAX OUTPUT : *****
SEND IMAGES : *****   SEND TIME : *****:..**
RECEIVE TIME : *****:..**
  
```

<List of display values>

| | |
|--------------|----------------------------------|
| FAX SEND | Number of times of FAX sending |
| FAX RECEIVE | Number of times of FAX receiving |
| FAX OUTPUT | FAX print quantity |
| SEND IMAGES | Quantity of sending |
| SEND TIME | Time for sending |
| RECEIVE TIME | Time for receiving |

22-6

| | |
|---------------------|--|
| Purpose | Adjustment, setup, operation data output, check (print) |
| Function (Content) | Used to print the list of adjustments and setup data (simulations, FAX soft switches, counters). |
| Section | |
| Item | Data |
| Operation/Procedure | The selected data is displayed on the right side of the item. |



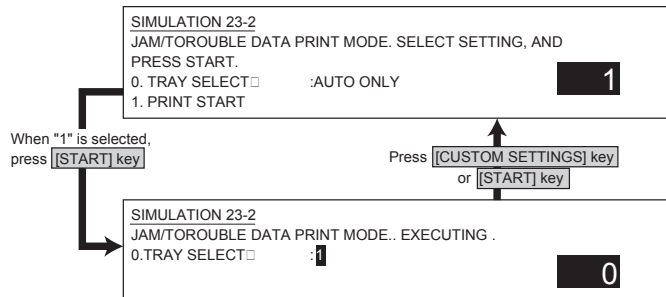
<List of display values>

| | |
|---|--------------------------------------|
| 0 | TRAY SELECT auto only (no selection) |
| 1 | PRINT START |

Main code 23

23-2

| | |
|---------------------|---|
| Purpose | |
| Function (Content) | Jam/Trouble data print |
| Section | |
| Item | |
| Operation/Procedure | The current selected data is displayed on the side of the menu. |



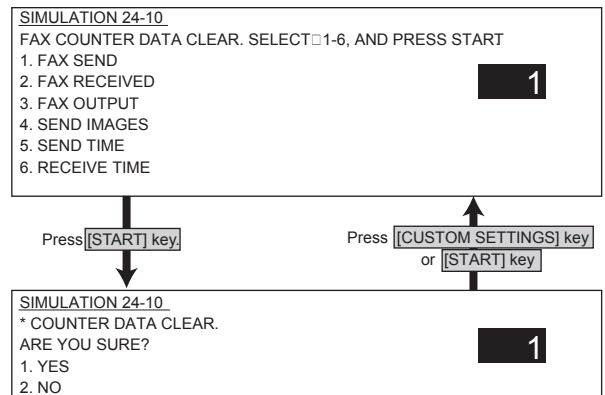
<List of display values>

| | |
|---|----------------------------------|
| 0 | TRAY SELECT (Selection disabled) |
| 1 | PRINT START |

Main code 24

24-10

| | |
|---------------------|---|
| Purpose | Data clear |
| Function (Content) | Used to clear the FAX counter. |
| Section | FAX |
| Item | Counter |
| Operation/Procedure | Select with 10 digit key pad and press START key. The procedure below is executed and the display returns to the original state. 1: Counter is cleared 2: Not cleared |



<List of set values>

| | |
|---|---|
| 1 | FAX SEND: Number of times of FAX sending |
| 2 | FAX RECEIVE: Number of times of FAX reception |
| 3 | FAX OUTPUT: FAX print quantity |
| 4 | SEND IMAGES: Sending quantity |
| 5 | SEND TIME: Time for sending |
| 6 | RECEIVE TIME: Time for reception |

Main code 46

46-12

| Purpose | Adjustment |
|---------------------|--|
| Function (Content) | Used to adjust the print density in the FAX mode (all modes). An adjustment with this simulation affects all the reading density adjustment values. (Only when FAX is installed) |
| Section | |
| Item | Picture quality |
| Operation/Procedure | <p>The exposure mode to be set is selected. (FAX auto adjustment)</p> <p>1) The current set value is highlighted on the right side of each item. In this screen, be sure to select "1: COPY START." (Set value: 1)</p> <p>2) Set the exposure level with 10 digit key pad. Press P to store the set value. (Default: 50, set range: 0 - 99)</p> <p>3) Press START, and copying is started and the set value is stored. (Display value 1)</p> <p>4) Select a paper feed tray. (Set value 2)</p> |

<List of set values 1>

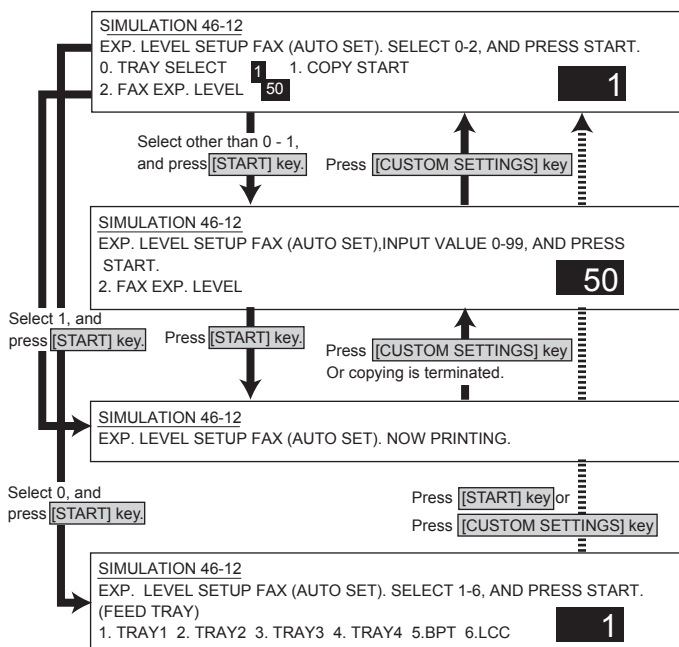
| | |
|---|---------------------------|
| 0 | Paper feed tray selection |
| 1 | Copy start (Default) |
| 2 | FAX mode exposure setup |

<List of display values 1>

| | |
|----------------|----------------|
| Normal display | "NOW PRINTING" |
| ERROR display | DOOR OPEN. |
| | JAM |
| | PAPER EMPTY. |

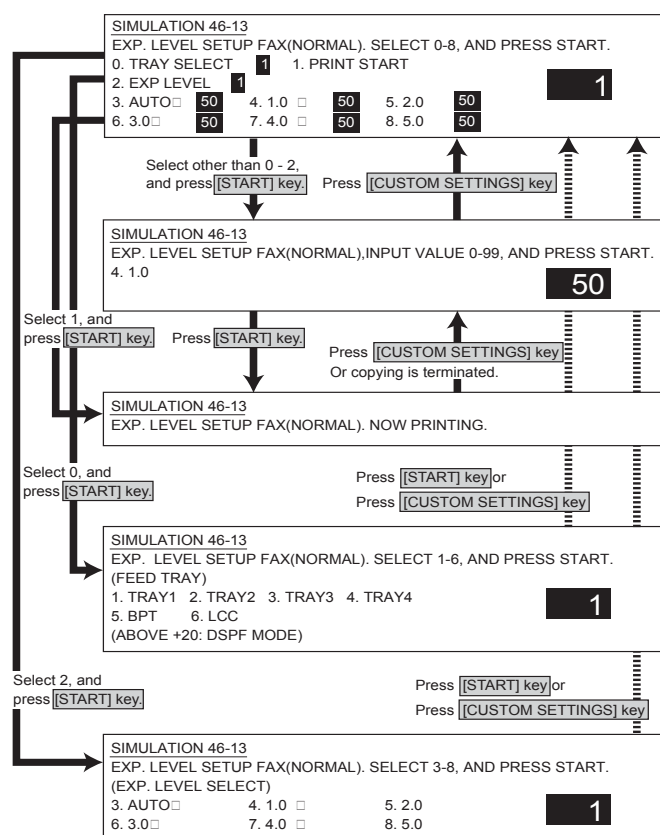
<List of set values 2>

| | |
|---|-------------|
| 1 | TRAY1 |
| 2 | TRAY2 |
| 3 | TRAY3 |
| 4 | TRAY4 |
| 5 | Manual feed |
| 6 | Side LCC |



46-13

| | |
|---------------------|---|
| Purpose | Adjustment |
| Function (Content) | Used to adjust the reading density in the FAX mode (Standard mode). (Only when FAX is installed.) |
| Section | |
| Item | Picture quality |
| Operation/Procedure | The exposure mode to be set is selected. (FAX Standard mode individual adjustment) 1) The current set value is highlighted on the right side of each item. In this screen, be sure to select "1: PRINT START." (Set value: 1) 2) Set the exposure level with 10 digit key pad. Press P to store the set value. (Default: 50, set range: 0 - 99) 3) Press START, and copying is started and the set value is stored. (Display value 1) 4) Select a paper feed tray. (Set value 2) 5) Select an exposure level. (Set value 3) |



<List of set values 1>

| | |
|---|---------------------------|
| 0 | Paper feed tray selection |
| 1 | Print start (Default) |
| 2 | Exposure level selection |
| 3 | Auto |
| 4 | Exposure level 1 |
| 5 | Exposure level 2 |
| 6 | Exposure level 3 |
| 7 | Exposure level 4 |
| 8 | Exposure level 5 |

<List of display values 1>

| | |
|----------------|----------------|
| Normal display | "NOW PRINTING" |
| ERROR display | DOOR OPEN. |
| | JAM |
| | PAPER EMPTY. |

<List of set values 2>

| | |
|---|-------------|
| 1 | TRAY1 |
| 2 | TRAY2 |
| 3 | TRAY3 |
| 4 | TRAY4 |
| 5 | Manual feed |
| 6 | Side LCC |

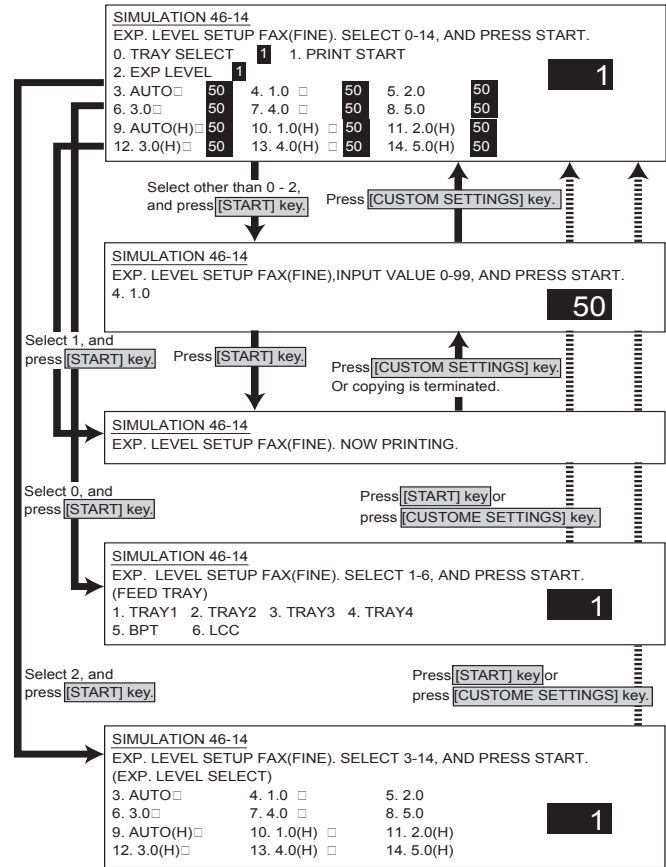
For the above +20, the machine enters the duplex mode (DS), making duplex copy.

<List of set values 3>

| | |
|---|------------------|
| 3 | Auto |
| 4 | Exposure level 1 |
| 5 | Exposure level 2 |
| 6 | Exposure level 3 |
| 7 | Exposure level 4 |
| 8 | Exposure level 5 |

46-14

| | |
|---------------------|---|
| Purpose | Adjustment |
| Function (Content) | Used to adjust the reading density in the FAX mode (Fine mode). (Only when FAX is installed.) |
| Section | |
| Item | Picture quality |
| Operation/Procedure | The exposure mode to be set is selected. (FAX Fine mode individual adjustment) 1) The current set value is highlighted on the right side of each item. In this screen, be sure to select "1: PRINT START." (Set value: 1) 2) Set the exposure level with 10 digit key pad. Press P to store the set value. (Default: 50, set range: 0 - 99) 3) Press START, and copying is started and the set value is stored. (Display value 1) 4) Select a paper feed tray. (Set value 2) 5) Select an exposure level. (Set value 3) |



<List of set values 1>

| | |
|---|--------------------------|
| 0 | Paper feed selection |
| 1 | Print start (Default) |
| 2 | Exposure level selection |
| 3 | Auto |
| 4 | Exposure level 1 |
| 5 | Exposure level 2 |
| 6 | Exposure level 3 |
| 7 | Exposure level 4 |
| 8 | Exposure level 5 |

<Half tone>

| | |
|----|------------------|
| 9 | Auto |
| 10 | Exposure level 1 |
| 11 | Exposure level 2 |
| 12 | Exposure level 3 |
| 13 | Exposure level 4 |
| 14 | Exposure level 5 |

<List of display values 1>

| | |
|----------------|----------------|
| Normal display | "NOW PRINTING" |
| ERROR display | DOOR OPEN. |
| | JAM |
| | PAPER EMPTY. |

<List of set values 2>

| | |
|---|-------------|
| 1 | TRAY1 |
| 2 | TRAY2 |
| 3 | TRAY3 |
| 4 | TRAY4 |
| 5 | Manual feed |
| 6 | Side LCC |

<List of set values 3>

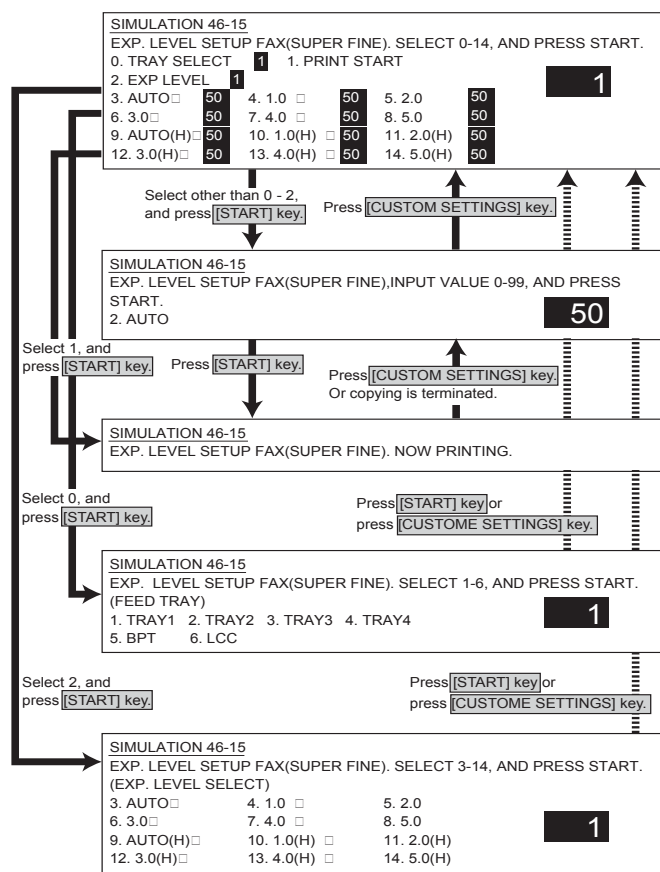
| | |
|---|------------------|
| 3 | Auto |
| 4 | Exposure level 1 |
| 5 | Exposure level 2 |
| 6 | Exposure level 3 |
| 7 | Exposure level 4 |
| 8 | Exposure level 5 |

<Half tone>

| | |
|----|------------------|
| 9 | Auto |
| 10 | Exposure level 1 |
| 11 | Exposure level 2 |
| 12 | Exposure level 3 |
| 13 | Exposure level 4 |
| 14 | Exposure level 5 |

46-15

| | |
|---------------------|---|
| Purpose | Adjustment |
| Function (Content) | Used to adjust the reading density in the FAX mode (Super Fine mode). (Only when FAX is installed.) |
| Section | |
| Item | Picture quality |
| Operation/Procedure | The exposure mode to be set is selected. (FAX Super Fine mode individual adjustment) 1) The current set value is highlighted on the right side of each item. In this screen, be sure to select "1: PRINT START." (Set value: 1) 2) Set the exposure level with 10 digit key pad. Press P to store the set value. (Default: 50, set range: 0 - 99) 3) Press START, and copying is started and the set value is stored. (Display value 1) 4) Select a paper feed tray. (Set value 2) 5) Select an exposure level. (Set value 3) |



<List of set values 1>

| | |
|---|---------------------------|
| 0 | Paper feed tray selection |
| 1 | Print start (Default) |
| 2 | Exposure level selection |
| 3 | Auto |
| 4 | Exposure level 1 |
| 5 | Exposure level 2 |
| 6 | Exposure level 3 |
| 7 | Exposure level 4 |
| 8 | Exposure level 5 |

<Half tone>

| | |
|----|------------------|
| 9 | Auto |
| 10 | Exposure level 1 |
| 11 | Exposure level 2 |
| 12 | Exposure level 3 |
| 13 | Exposure level 4 |
| 14 | Exposure level 5 |

<List of display values 1>

| | |
|----------------|----------------|
| Normal display | "NOW PRINTING" |
| ERROR display | DOOR OPEN. |
| | JAM |
| | PAPER EMPTY. |

<List of set values 2>

| | |
|---|-------------|
| 1 | TRAY1 |
| 2 | TRAY2 |
| 3 | TRAY3 |
| 4 | TRAY4 |
| 5 | Manual feed |
| 6 | Side LCC |

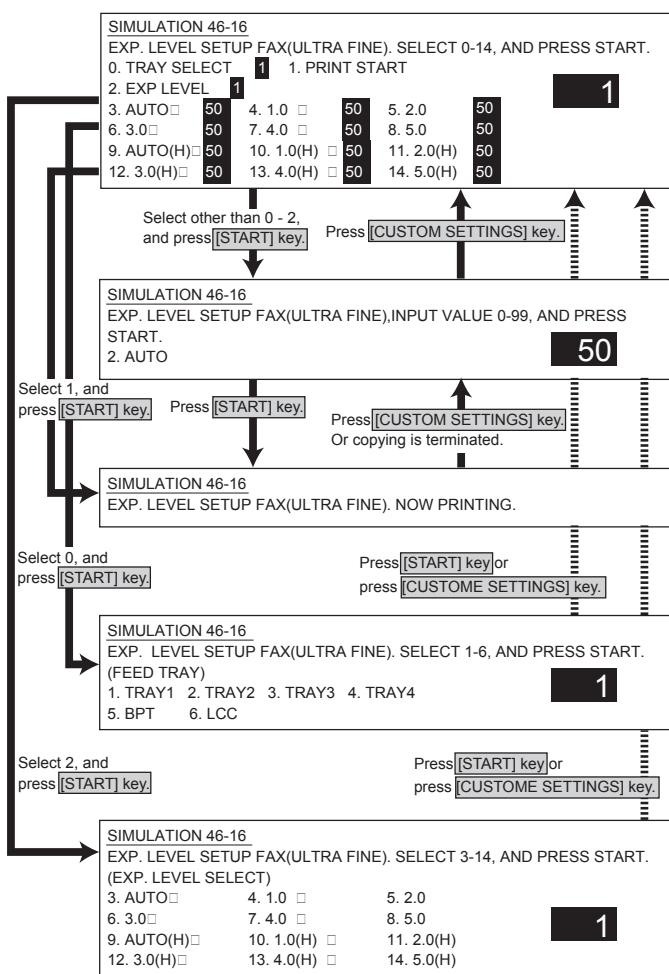
<List of set values 3>

| | |
|---|------------------|
| 3 | Auto |
| 4 | Exposure level 1 |
| 5 | Exposure level 2 |
| 6 | Exposure level 3 |
| 7 | Exposure level 4 |
| 8 | Exposure level 5 |

| | |
|----|------------------|
| 9 | Auto |
| 10 | Exposure level 1 |
| 11 | Exposure level 2 |
| 12 | Exposure level 3 |
| 13 | Exposure level 4 |
| 14 | Exposure level 5 |

46-16

| | |
|---------------------|--|
| Purpose | Adjustment |
| Function (Content) | Used to adjust the reading density in the FAX mode (Ultra Fine mode). (Only when FAX is installed.) |
| Section | |
| Item | Picture quality |
| Operation/Procedure | <p>The exposure mode to be set is selected. (FAX Ultra Fine mode individual adjustment)</p> <ol style="list-style-type: none"> 1) The current set value is highlighted on the right side of each item. In this screen, be sure to select "1: PRINT START." (Set value: 1) 2) Set the exposure level with 10 digit key pad. Press P to store the set value. (Default: 50, set range: 0 - 99) 3) Press START, and copying is started and the set value is stored. (Display value 1) 4) Select a paper feed tray. (Set value 2) 5) Select an exposure level. (Set value 3) |



<List of set values 1>

| | |
|---|---------------------------|
| 0 | Paper feed tray selection |
| 1 | Print start (Default) |
| 2 | Exposure level selection |
| 3 | Auto |
| 4 | Exposure level 1 |
| 5 | Exposure level 2 |
| 6 | Exposure level 3 |
| 7 | Exposure level 4 |
| 8 | Exposure level 5 |

<Half tone>

| | |
|----|------------------|
| 9 | Auto |
| 10 | Exposure level 1 |
| 11 | Exposure level 2 |
| 12 | Exposure level 3 |
| 13 | Exposure level 4 |
| 14 | Exposure level 5 |

<List of display values 1>

| | |
|----------------|----------------|
| Normal display | "NOW PRINTING" |
| ERROR display | DOOR OPEN. |
| | JAM |
| | PAPER EMPTY. |

<List of set values 2>

| | |
|---|-------------|
| 1 | TRAY1 |
| 2 | TRAY2 |
| 3 | TRAY3 |
| 4 | TRAY4 |
| 5 | Manual feed |
| 6 | Side LCC |

<List of set values 3>

| | |
|---|------------------|
| 3 | Auto |
| 4 | Exposure level 1 |
| 5 | Exposure level 2 |
| 6 | Exposure level 3 |
| 7 | Exposure level 4 |
| 8 | Exposure level 5 |

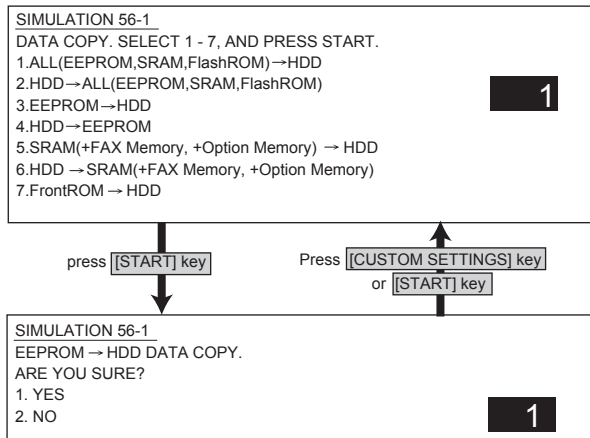
<Half tone>

| | |
|----|------------------|
| 9 | Auto |
| 10 | Exposure level 1 |
| 11 | Exposure level 2 |
| 12 | Exposure level 3 |
| 13 | Exposure level 4 |
| 14 | Exposure level 5 |

Main code 56

56-1

| | |
|---------------------|---|
| Purpose | |
| Function (Content) | Data transfer |
| Section | |
| Item | |
| Operation/Procedure | Used to perform data transfer. Select an item with 10 digit key pad and press START key. The following operation is performed and the display returns to the original state. 1. Data transfer executed 2. Data transfer not executed |



<List of display values>

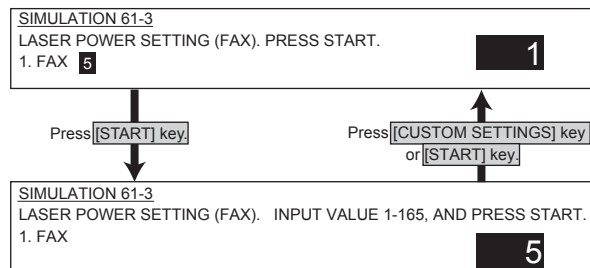
| | |
|----|--|
| 1* | All memory contents are transferred to HDD. (Same operation as 3.5.) |
| 2* | The contents of HDD are transferred to all memory. (Same operation as 4.6.) |
| 3 | Transfer from EEPROM to HDD |
| 4 | Transfer from HDD to EEPROM |
| 5* | Transfer from SRAM to HDD.If, however, a FAX memory or an option memory (for FAX) is installed, the contents of the FAX memory are also transferred to HDD. |
| 6* | Transfer from HDD to SRAM. If, however, a FAX memory or an option memory (for FAX) is installed, the contents of the FAX memory are also transferred as well as the contents of HDD. |
| 7 | Transfer from Font Rom to HDD> |

* : When the Flash ROM and the OP.Flash ROM are not installed, transfer is not executed.

Main code 61

61-3

| | |
|---------------------|--|
| Purpose | Adjustment |
| Function (Content) | Used to adjust the scanner (exposure) laser power (absolute value) in the FAX reception mode. (Only when FAX is installed.) |
| Section | PCU |
| Item | Operation |
| Operation/Procedure | Set the laser power in FAX operation. Enter the set value and press START to store it. Set range: 1 ~ 165 Default : (45PPM) 104 (35PPM) 88 |



<List of set values>

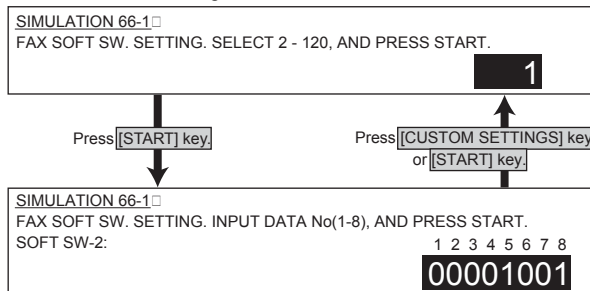
| | | | Initial value | Set range |
|---|---------------|-------|---------------|-----------|
| 1 | FAX reception | 45PPM | 104 | 1 ~ 165 |
| | | 35PPM | 88 | |

Main code 66

66-1

| | |
|---------------------|--|
| Purpose | Setup |
| Function (Content) | Used to set the FAX soft switch function. (Used to utilize the FAX soft switch function.) |
| Section | FAX |
| Item | |
| Operation/Procedure | Set the Fax soft switch. (For details of the soft SW, refer to the AR-FX8 Specifications.) SW1 cannot be changed with this simulation. Entry of 1 - 8 only is effective. 1) Specify the bit to be changed (highlighted) with a number. 2) Press START to rewrite the setting. |

* SIM 1 cannot be changed with this simulation.



66-2

| | |
|---------------------|---|
| Purpose | Data clear |
| Function (Content) | Used to set the FAX soft switch setup to the default. (Except for the adjustment values) |
| Section | FAX |
| Item | Data |
| Operation/Procedure | <p>The current set value of SW1 is displayed. Entry of 1 ~ 8 is effective.</p> <ol style="list-style-type: none"> Specify the bit to be changed (highlighted) with a number. Select the country code, and press START to rewrite the setting. For the country code, refer to the table below. An entry other than the specified codes is accepted as Japan. * Conforms to Recommendations T.35. Select a number with 10 digit key pad and press START key to execute. The soft switch (excluding the FAX adjustment value) corresponding to the selected country code is cleared. 1: FAX soft SW clear 2: Not clear The selected country is highlighted. |

SIMULATION 66-2

FAX SOFT SW.CLEAR (WIHTOUT ADJUSTMENT VALUE).
INPUT COUNTRY CODE, AND PRESS START.

1 2 3 4 5 6 7 8
00000000

Press [START] key.

SIMULATION 66-2

FAX SOFT SW. CLEAR.
ARE YOU SURE?

1: YES JAPAN
2: NO

1

<Country codes>

| | | | | | | | | |
|-------|---|---|---|---|---|---|---|---|
| U.S.A | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 |
|-------|---|---|---|---|---|---|---|---|

* Conforms to Advisory Document T.35.

66-3

| | |
|---------------------|--|
| Purpose | Operation test, check |
| Function (Content) | Used to check the operations of FAX PWB memory (read/write). (This adjustment is required when replacing the PWB with a new one.) |
| Section | FAX |
| Item | Data |
| Operation/Procedure | <p>Select an item and press START key to execute. The display goes to the next menu. When "1. All Memory Device Check" is selected, all memory devices are checked only once. The error occurring address or the data line is displayed for each item. When an item with "repeat" is selected, the result is displayed as "NG" or execution is continued until [CUSTOM SETTINGS] or ([CA] key) is pressed.</p> |

SIMULATION 66-3

FAX PWB MEMORY CHECK. INPUT 1-13, AND PRESS START.

- | | | |
|-----------------------------------|-----------------------------|---|
| 1. All Memory Device Check (once) | 3. MFP SRAM (repeat) | 1 |
| 2. MFP SRAM (once) | | |
| 4. MFP FLASH + OP FLASH (once) | | |
| 5. MFP FLASH + OP FLASH (repeat) | | |
| 6. MODEM EEPROM (once) | 7. MODEM EEPROM (repeat) | |
| 8. MODEM SRAM(G/A) (once) | 9. MODEM SRAM(G/A) (repeat) | |
| 10. MODEM SRAM (once) | 11. MODEM SRAM (repeat) | |
| 12. MODEM SDRAM (once) | 13. MODEM SDRAM (repeat) | |

Press [START] key.

In repeat, the number of repeat is displayed in a four-digit decimal number as "CHECKING 0001."
When 9999 is exceeded, the number returns to 0000.
(A space is placed between CHECKING and the number.)

Press [CUSTOM SETTINGS] key.

SIMULATION 66-3

FAX PWB MEMORY CHECK.
MFP SRAM: CHECKING
MFP FLASH: NO CHECK
MFP OP. FLASH: NO CHECK
MODEM EEPROM: NG:A0010000
MODEM SRAM(G/A):NO CHECK
MODEM SRAM: NG A11
MODEM SDRAM: OK

The selected number is displayed.

1

When check is "repeat" and [CUSTOM SETTINGS] key is pressed.

When Check is "once," the display stops at the report display.
When [CUSTM SETTING] key pressed, the display returns to the selection menu of 1 ~ 13.

<List of display values>

| | |
|----------|-------------------|
| NO CHECK | Not checked |
| CHECKING | Checking |
| OK | Check complete OK |
| NG | Check error |

<Items>

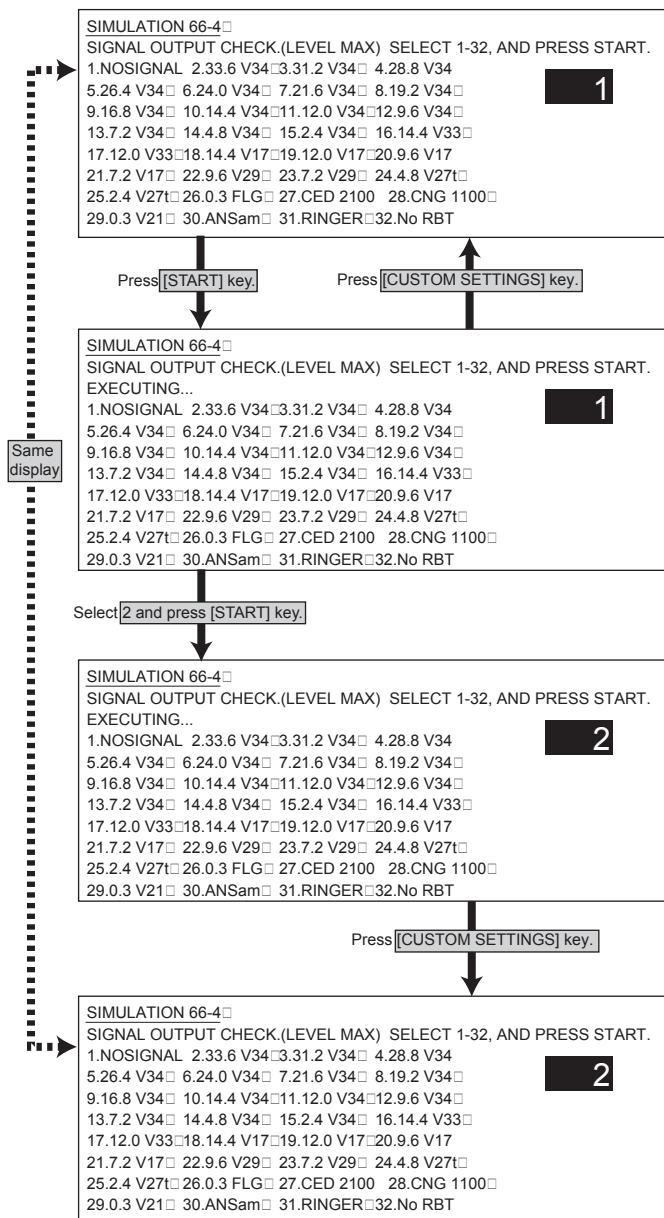
| | |
|----------------------------|-----------------------|
| MFP SRAM (MFP control PWB) | SRAM |
| MFP FLASH (FAX I/F PWB) | FLASH Memory |
| MFP OP.FLASH (FAX I/F PWB) | FLASH Memory (AR-MM9) |
| MODEM EEPROM (FAX PWB) | |
| MODEM SRAM(G/A) (FAX PWB) | |
| MODEM SRAM (FAX PWB) | |
| MODEM SDRAM (FAX PWB) | |

66-4

| | |
|---------------------|---|
| Purpose | Operation test, check |
| Function (Content) | Used to check the operations of data signal output in the FAX data output mode. (Used to check the MODEM operation.) Send level 0db (Max.) (Only when FAX is installed.) |
| Section | FAX |
| Item | Operation |
| Operation/Procedure | Signal output check (level Max.) When CUSTOM SETTING is pressed during execution of this simulation, execution is stopped. Enter a number and press START to change the kind of signal. |

<List of set values>

| | | | |
|----|-----------|----|----------|
| 1 | No signal | 17 | 12.0 V33 |
| 2 | 26.4 V34 | 18 | 14.4 V17 |
| 3 | 31.2 V34 | 19 | 12.0 V17 |
| 4 | 28.8 V34 | 20 | 9.6 V17 |
| 5 | 26.4 V34 | 21 | 7.2 V17 |
| 6 | 24.0 V34 | 22 | 9.6 V29 |
| 7 | 21.6 V34 | 23 | 7.2 V29 |
| 8 | 19.2 V34 | 24 | 4.8 V27t |
| 9 | 16.8 V34 | 25 | 2.4 V27t |
| 10 | 14.4 V34 | 26 | 0.3 FLG |
| 11 | 12.0 V34 | 27 | CED2100 |
| 12 | 9.6 V34 | 28 | CNG1100 |
| 13 | 7.2 V34 | 29 | 0.3 V21 |
| 14 | 4.8 V34 | 30 | ANSam |
| 15 | 2.4 V34 | 31 | RINGER |
| 16 | 14.4 V33 | 32 | No RBT |



66-5

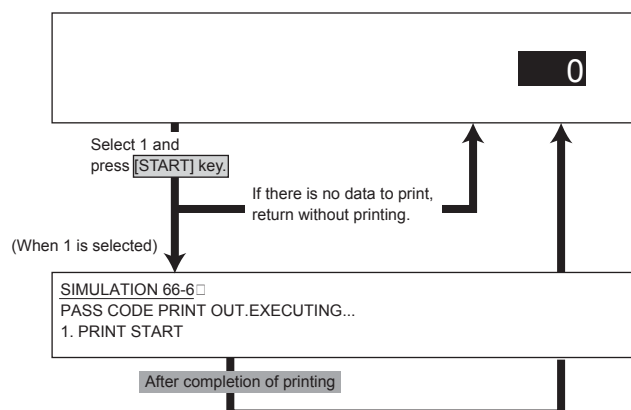
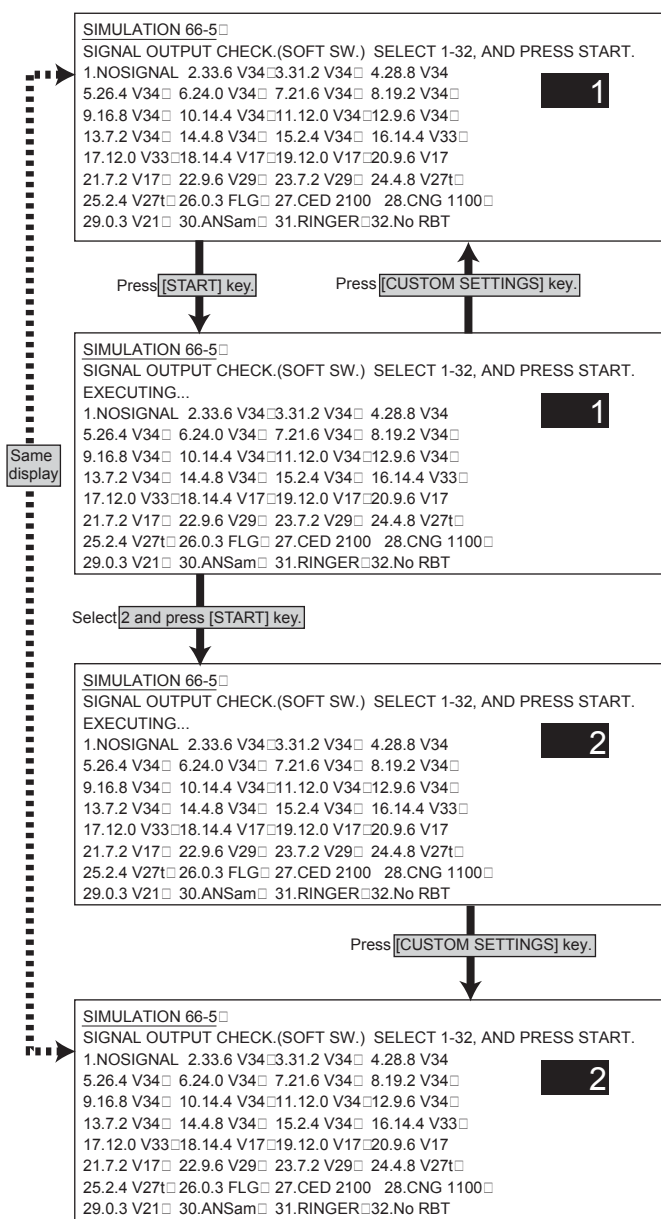
| | |
|---------------------|---|
| Purpose | Operation test, check |
| Function (Content) | Used to check the operations of data signal output in the FAX data output mode. (Used to check the MODEM operation.) Signals are sent in the send level set with the soft switch. (Only when FAX is installed.) |
| Section | FAX |
| Item | Operation |
| Operation/Procedure | Signal output check (Send level is set with the soft SW.) When CUSTOM SETTING is pressed during execution of this simulation, execution is stopped. Enter a number and press START to change the kind of signal. |

<List of set values>

| | | | |
|----|-----------|----|----------|
| 1 | No signal | 17 | 12.0 V33 |
| 2 | 26.4 V34 | 18 | 14.4 V17 |
| 3 | 31.2 V34 | 19 | 12.0 V17 |
| 4 | 28.8 V34 | 20 | 9.6 V17 |
| 5 | 26.4 V34 | 21 | 7.2 V17 |
| 6 | 24.0 V34 | 22 | 9.6 V29 |
| 7 | 21.6 V34 | 23 | 7.2 V29 |
| 8 | 19.2 V34 | 24 | 4.8 V27t |
| 9 | 16.8 V34 | 25 | 2.4 V27t |
| 10 | 14.4 V34 | 26 | 0.3 FLG |
| 11 | 12.0 V34 | 27 | CED2100 |
| 12 | 9.6 V34 | 28 | CNG1100 |
| 13 | 7.2 V34 | 29 | 0.3 V21 |
| 14 | 4.8 V34 | 30 | ANSam |
| 15 | 2.4 V34 | 31 | RINGER |
| 16 | 14.4 V33 | 32 | No RBT |

66-6

| | |
|---------------------|---|
| Purpose | User data output, check (display, print) |
| Function (Content) | Used to print the confidential pass code. (Used when the confidential pass code is forgotten.) (Only when FAX is installed.) |
| Section | FAX |
| Item | Data |
| Operation/Procedure | The confidential pass code is printed. The currently selected data is displayed on the side of menu. Paper is automatically selected with the size stored in the image memory. |

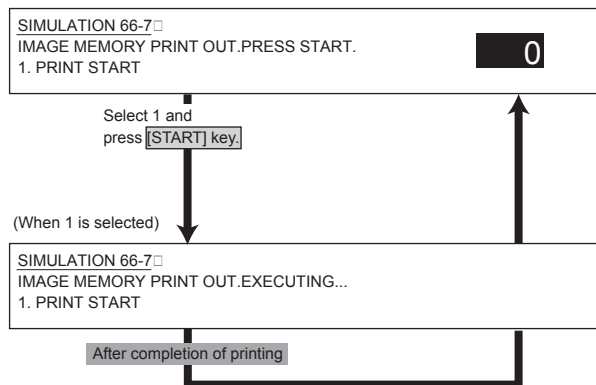


<Set value>

| | |
|---|-------------|
| 1 | Print start |
|---|-------------|

66-7

| | |
|---------------------|---|
| Purpose | User data output, check (display, print) |
| Function (Content) | Used to print the image memory data (memory send, receive). (Only when FAX is installed.) |
| Section | FAX |
| Item | Data |
| Operation/Procedure | The content of image memory is printed. The paper size is automatically selected with the paper size stored in the image memory. |

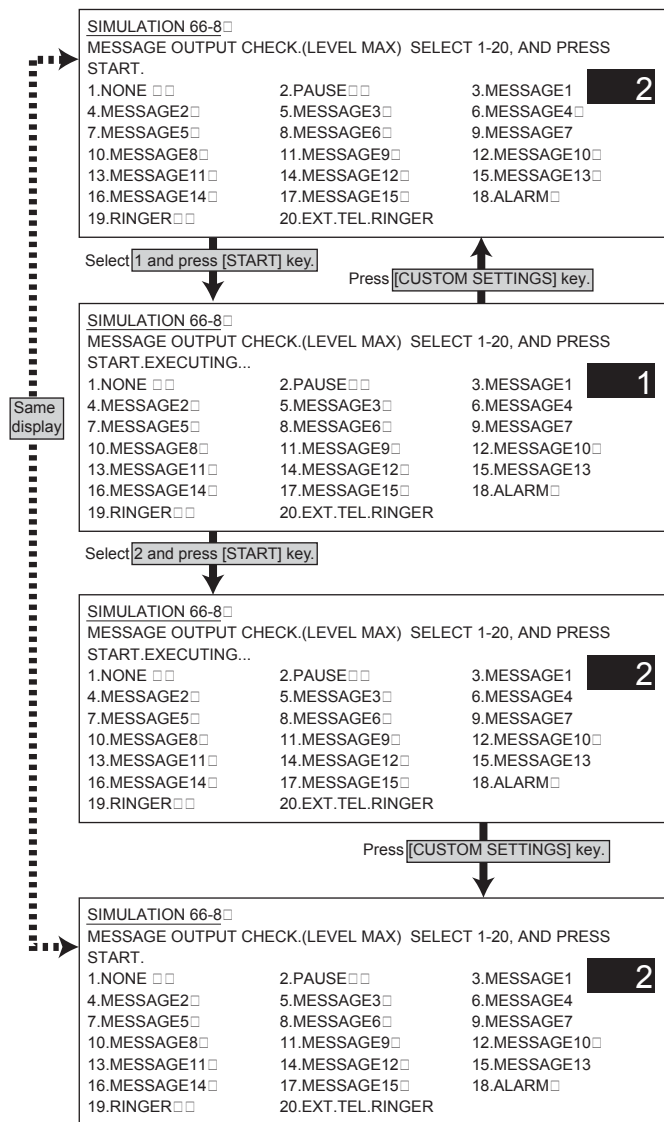


<Set value>

| | |
|---|-------------|
| 1 | Print start |
|---|-------------|

66-8

| | |
|---------------------|---|
| Purpose | Operation test, check |
| Function (Content) | Used to check the output operation of the FAX sound signals. (Sound output IC operation check) Send level Max. (Only when FAX is installed.) |
| Section | FAX |
| Item | Operation |
| Operation/Procedure | A voice message is outputted. (Level Max.) Enter a number during execution to change the kind of signal. Press START to start sending a voice message. Press CUSTOM SETTINGS to terminate. |

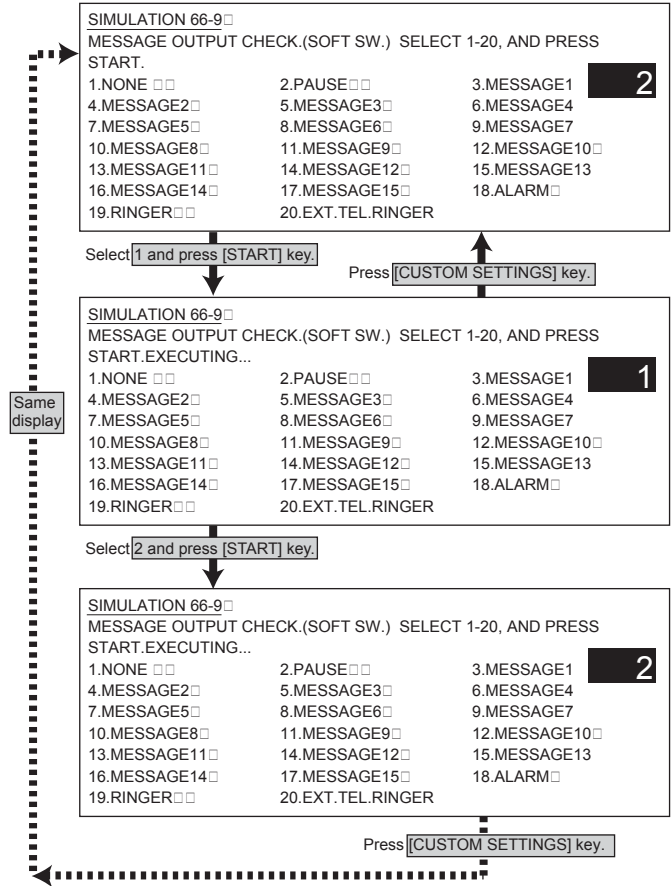


<List of set values>

| | | |
|----|----------------|----------------|
| 1 | NONE | NONE |
| 2 | PAUSE | PAUSE |
| 3 | MESSAGE1 | MESSAGE1 |
| 4 | MESSAGE2 | MESSAGE2 |
| 5 | MESSAGE3 | MESSAGE3 |
| 6 | MESSAGE4 | MESSAGE4 |
| 7 | MESSAGE5 | MESSAGE5 |
| 8 | MESSAGE6 | MESSAGE6 |
| 9 | MESSAGE7 | MESSAGE7 |
| 10 | MESSAGE8 | MESSAGE8 |
| 11 | MESSAGE9 | MESSAGE9 |
| 12 | MESSAGE10 | MESSAGE10 |
| 13 | MESSAGE11 | MESSAGE11 |
| 14 | MESSAGE12 | MESSAGE12 |
| 15 | MESSAGE13 | MESSAGE13 |
| 16 | MESSAGE14 | MESSAGE14 |
| 17 | MESSAGE15 | MESSAGE15 |
| 18 | ALARM | ALARM |
| 19 | RINGER | RINGER |
| 20 | EXT.TEL.RINGER | EXT.TEL.RINGER |

66-9

| | |
|---------------------|--|
| Purpose | Operation test, check |
| Function (Content) | Used to check the output operation of the FAX sound signals. (Sound output IC operation check) (Only when FAX is installed.) |
| Section | FAX |
| Item | Operation |
| Operation/Procedure | A voice message is outputted. (Send level is set with SW.) Enter a number during execution to change the kind of signal. Press START to start sending a voice message. Press CUSTOM SETTINGS to terminate. |

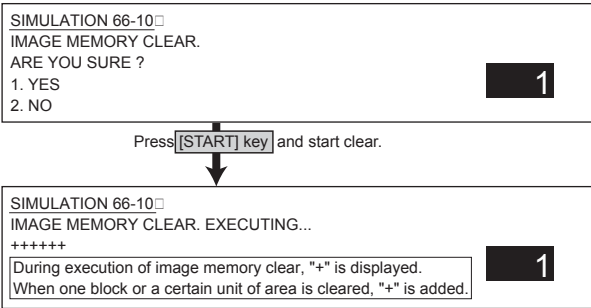


<List of set values>

| | | |
|----|----------------|----------------|
| 1 | NONE | NONE |
| 2 | PAUSE | PAUSE |
| 3 | MESSAGE1 | MESSAGE1 |
| 4 | MESSAGE2 | MESSAGE2 |
| 5 | MESSAGE3 | MESSAGE3 |
| 6 | MESSAGE4 | MESSAGE4 |
| 7 | MESSAGE5 | MESSAGE5 |
| 8 | MESSAGE6 | MESSAGE6 |
| 9 | MESSAGE7 | MESSAGE7 |
| 10 | MESSAGE8 | MESSAGE8 |
| 11 | MESSAGE9 | MESSAGE9 |
| 12 | MESSAGE10 | MESSAGE10 |
| 13 | MESSAGE11 | MESSAGE11 |
| 14 | MESSAGE12 | MESSAGE12 |
| 15 | MESSAGE13 | MESSAGE13 |
| 16 | MESSAGE14 | MESSAGE14 |
| 17 | MESSAGE15 | MESSAGE15 |
| 18 | ALARM | ALARM |
| 19 | RINGER | RINGER |
| 20 | EXT.TEL.RINGER | EXT.TEL.RINGER |

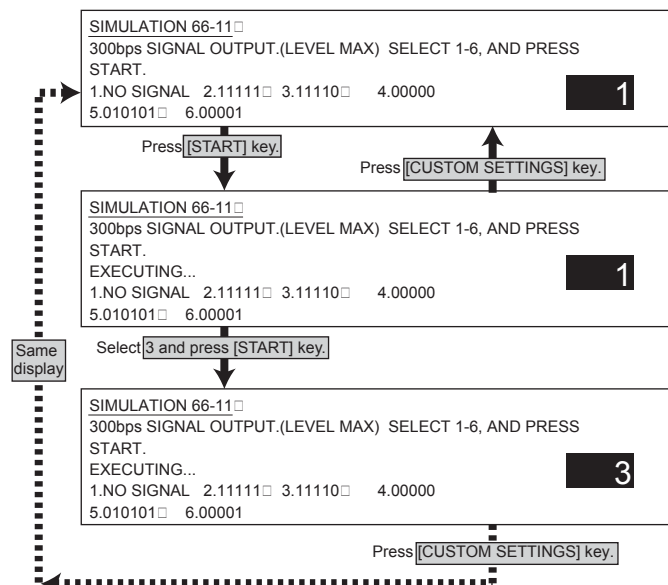
66-10

| | |
|---------------------|---|
| Purpose | User data output, check (display, print) |
| Function (Content) | Used to clear all data of image memory (memory send, receive). Confidential data are also cleared. (Only when FAX is installed.) |
| Section | FAX |
| Item | Data |
| Operation/Procedure | The FAX image memory is cleared. 1) Select an item with 10 digit key pad and press START. The following is executed and the display returns to the initial state. 1: Image memory clear 2: Not clear Only the Flash ROM area is cleared. 2) After completion of memory clear, reset. |



66-11

| | |
|---------------------|--|
| Purpose | Operation test, check |
| Function (Content) | Used to check the output operation of FAX G3 mode 300BPS. (Used to check the MODEM operation.) Send level Max. (Only when FAX is installed.) |
| Section | FAX |
| Item | Operation |
| Operation/Procedure | A signal of 300bps is outputted. (Level Max.) Enter a number during execution to change the kind of signal. Press START to start sending a voice message. Press CUSTOM SETTINGS to terminate. |

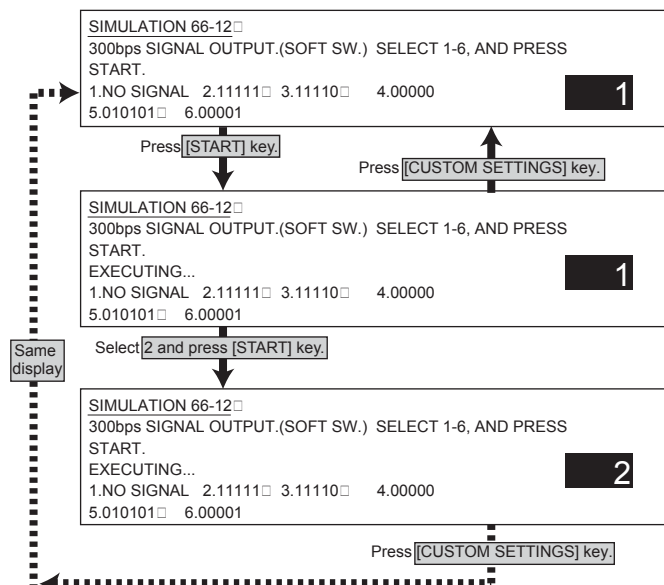


<List of set values>

| | | |
|---|-----------|-----------|
| 1 | NO SIGNAL | No signal |
| 2 | 11111 | |
| 3 | 11110 | |
| 4 | 00000 | |
| 5 | 010101 | |
| 6 | 00001 | |

66-12

| | |
|---------------------|---|
| Purpose | Setup |
| Function (Content) | Used to check the output operation of FAX G3 mode 300BPS. (Used to check the MODEM operation.) Signals are sent in the send level set with the soft switch. (Only when FAX is installed.) |
| Section | FAX |
| Item | Operation |
| Operation/Procedure | A signal of 300bps is outputted. (Send level is set with soft SW.) Enter a number during execution to change the kind of signal. Press CUSTOM SETTINGS to terminate. |



<List of set values>

| | | |
|---|-----------|-----------|
| 1 | NO SIGNAL | No signal |
| 2 | 11111 | |
| 3 | 11110 | |
| 4 | 00000 | |
| 5 | 010101 | |
| 6 | 00001 | |

66-13

| | |
|---------------------|--|
| Purpose | Setup |
| Function (Content) | Used to enter (set) the number for the FAX dial signal output test. (The dial number signal set with this simulation is outputted in the dial signal output test with SIM 66-14~16) (Only when FAX is installed.) |
| Section | FAX |
| Item | Data |
| Operation/Procedure | The dial test number is set. Enter a number with 10 digit key pad, * key, and # key. The upper limit is 20 digits. Press CLEAR to return to the initial state. Press START to register. |

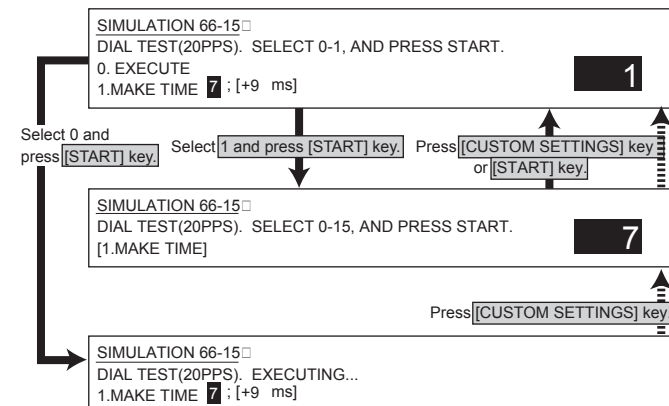
SIMULATION 66-13□
DIAL TEST NUMBER SETTING. 0-9:[0-9], *:[*], #:[#]
INPUT NUMBER AND PRESS START.
0123456789*#01234567

66-14

| | |
|---------------------|---|
| Purpose | Setup |
| Function (Content) | Used to set the make time in the FAX pulse dial mode (10PPS) and to test the dial signal output. (The dial number signal set with SIM 66-13 is outputted.) Used to check dialing troubles and the operation. (Only when FAX is installed.) |
| Section | FAX |
| Item | Operation |
| Operation/Procedure | The dial test is performed. (10PPS output) The make time is set. (Set range : 0-15) When CUSTOM SETTING is pressed, the execution is terminated. |

66-15

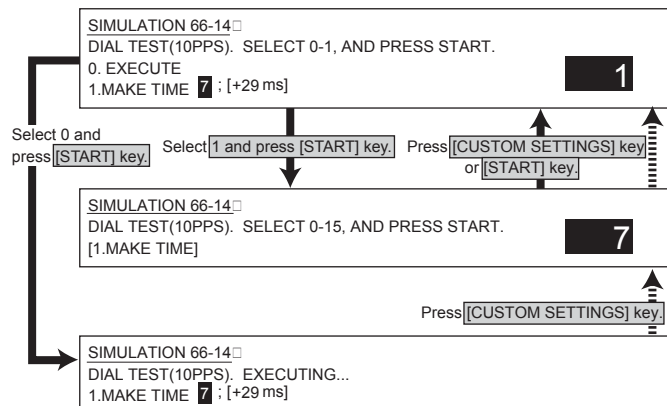
| | |
|---------------------|---|
| Purpose | Setup |
| Function (Content) | Used to set the make time in the FAX pulse dial mode (20PPS) and to test the dial signal output. (The dial number signal set with SIM 66-13 is outputted.) Used to check dialing troubles and the operation. (Only when FAX is installed.) |
| Section | FAX |
| Item | Operation |
| Operation/Procedure | The dial test is performed. (20PPS output) The make time is set. (Set range : 0-15) When CUSTOM SETTINGS is pressed, the execution is terminated. |



<List of set values>

| | |
|---|-------------------------------------|
| 0 | Execution |
| 1 | Dial pulse make time setup (0 - 15) |

* Dial is send with the setup value of +9ms.



<List of set values>

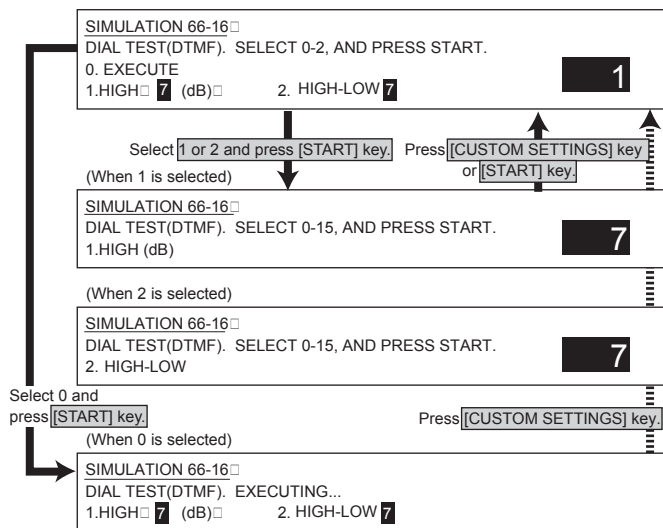
| | |
|---|-------------------------------------|
| 0 | Execution |
| 1 | Dial pulse make time setup (0 - 15) |

* Dial is send with the setup value of +29ms.

66-16

| | |
|---------------------|--|
| Purpose | Setup |
| Function (Content) | Used to test the dial signal (DTMF) output in the FAX tone dial mode. (The dial number signal set with SIM 66-13 is outputted.) The send level can be set to an optional level. Used to check dialing troubles and the operation. |
| Section | FAX |
| Item | Operation |
| Operation/Procedure | The dial test is performed. (DTMF signal output) 1) The level (dB) setup is made. (Set range: 0 - 15dB) 2) The difference between high group and low group is set. (Set range: 0 - 15) 3) When CUSTOM SETTING is pressed, the execution is terminated. |

* For the set value, refer to the soft SW specifications.



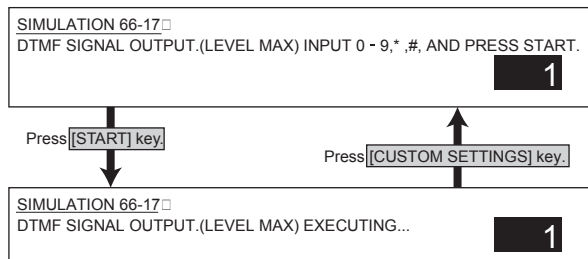
<List of set values>

| | | Execution |
|---|----------|------------------------|
| 0 | | |
| 1 | HIGH | High group level |
| 2 | HIGH-LOW | High group - low group |

For the set values, refer to the soft SW specifications.

66-17

| | |
|---------------------|--|
| Purpose | Setup |
| Function (Content) | Used to test the dial signal (DTMF) output in the Fax tone dial mode. Send level Max. Used to check the dial IC operation. (Only when FAX is installed.) |
| Section | FAX |
| Item | Operation |
| Operation/Procedure | The DTMF signal output is checked. (Output level 0) When CUSTOM SETTING is pressed, the execution is terminated. |

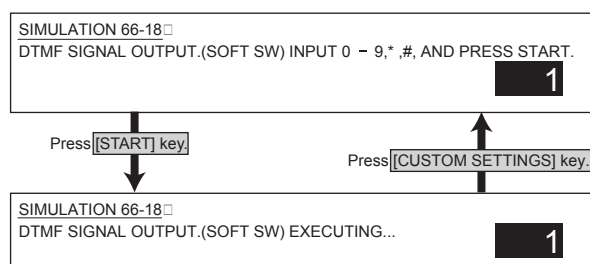


<DTMF signal>

1 - 9, 0, *, #

66-18

| | |
|---------------------|---|
| Purpose | Setup |
| Function (Content) | Used to test the dial signal (DTMF) output in the Fax tone dial mode. The send level set with the soft switch is outputted. Used to check the dial IC operation. (Only when FAX is installed.) |
| Section | FAX |
| Item | Operation |
| Operation/Procedure | The DTMF signal output is checked. (Output level is set with soft SW.) When CUSTOM SETTING is pressed, the execution is terminated. |

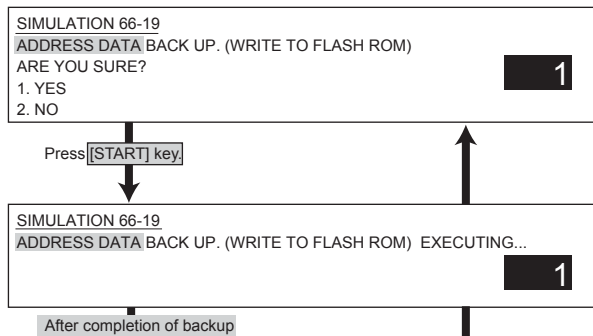


<DTMF signal>

1 - 9, 0, *, #

66-19

| | |
|---------------------|--|
| Purpose | Setup |
| Function (Content) | Used to backup the Address data (Set values of rapid key dialing) into the flash Memory (AR-MM9). (When FAX is installed and FAX extended memory is installed.) |
| Section | FAX |
| Item | Operation |
| Operation/Procedure | Address data is backed up into Flash ROM. Contents of backup data <ul style="list-style-type: none"> •One-touch •FTP expansion •Group expansion •Program •User index •Standard sender •I-FAX sender registration •Polling allow number •Memory box •Sender's name •FAX sender •Subject •File name •FAX receive select table •iFAX receive YES/NO The data other than the above are not backed up. |

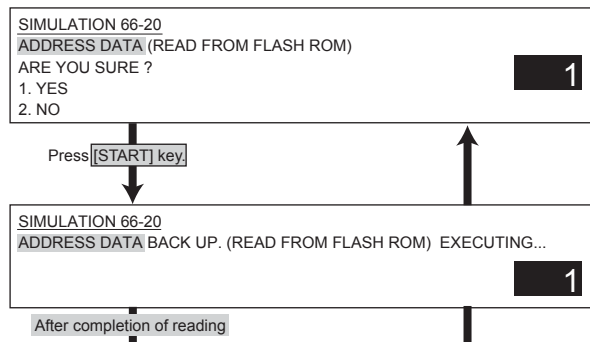


<Set values>

| | |
|---|-----------------|
| 1 | Backup executed |
| 2 | No backup |

66-20

| | |
|---------------------|---|
| Purpose | Setup |
| Function (Content) | Used to restore the backup data (SIM 66-19) to Address data. (When FAX is installed and FAX extended memory is installed.) |
| Section | FAX |
| Item | Operation |
| Operation/Procedure | Address data backed up with SIM 66-19 are read from the option Flash ROM and written into the machine. However, data backed up in the Tiger series cannot be restored to the machine. If an option Flash ROM backed up in the Tiger series is installed, the data in the option Flash ROM are deleted. |

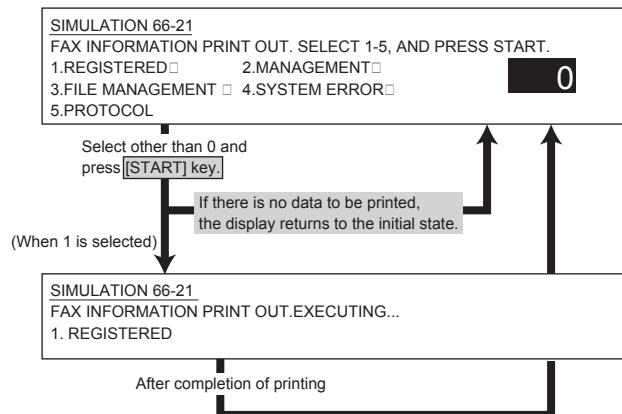


<Set value>

| | |
|---|-------------------------|
| 1 | Read/Write executed |
| 2 | Read/Write not executed |

66-21

| | |
|---------------------|--|
| Purpose | Adjustment, setup, operation data output, check (display, print) |
| Function (Content) | Used to print the FAX information (registrations, communication management, file management, system errors). (Only when FAX is installed.) |
| Section | FAX |
| Item | Data |
| Operation/Procedure | Information related to FAX is printed. 1) Select information to be printed. 2) The selected information is printed. 3) The paper size is automatically selected by the size stored in the image memory. |



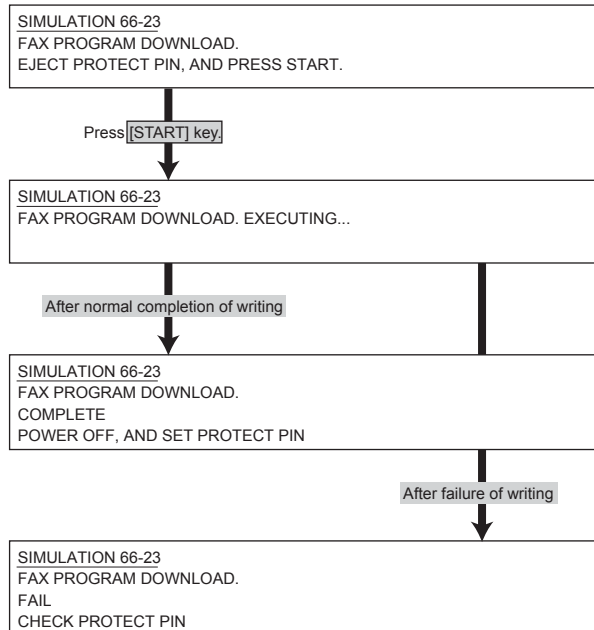
<List of set values>

| | | |
|---|-----------------|--------------------------------------|
| 1 | REGISTERED | Various registered information |
| 2 | MANAGEMENT | Communication management information |
| 3 | FILE MANAGEMENT | File management information |
| 4 | SYSTEM ERROR | System error information |
| 5 | PROTOCOL | Protocol information |

66-23

| | |
|---------------------|---|
| Purpose | Operation test, check |
| Function (Content) | Used to download the FAX program. (Only when FAX is installed.) |
| Section | FAX |
| Item | Operation |
| Operation/Procedure | The contents of ROM in the option memory (AR-MM9) installing section are copied as FAX program. |

(This mode is for development, and inhibited in the market.)



66-24

| | |
|---------------------|---|
| Purpose | Operation test, check |
| Function (Content) | Used to clear the FAST memory data. (Only when FAX is installed.) |
| Section | FAX |
| Item | Operation |
| Operation/Procedure | 1) Select with 10 digit key pad, press START to execute the following. 1: Fast memory data clear 2: Not clear |

SIMULATION 66-24
FAST MEMORY DATA CLEAR.
ARE YOU SURE ?
1. YES
2. NO

66-29

| | |
|---------------------|---|
| Purpose | Setup |
| Function (Content) | Used to clear the Address data. |
| Section | FAX, NWS |
| Item | Operation |
| Operation/Procedure | 1) Select with 10 digit key pad and press START to execute the following. 1: Address data clear 2: Address data not clear |

SIMULATION 66-29
ADDRESS DATA CLEAR.
ARE YOU SURE ?
1. YES
2. NO

1

66-30

| | |
|---------------------|--|
| Purpose | Setup |
| Function (Content) | Used to check TEL/LIU status change. (Only when FAX is installed.) |
| Section | FAX |
| Item | Operation |
| Operation/Procedure | The TEL/LIU status can be checked. The display is highlighted when the status is changed. |

SIMULATION 66-30
TEL/LIU SENSOR CHECK.
HS1 HS2 ☒ RHS EXHS

<List of set values>

| | |
|------|----------------------------|
| HS1 | Polarity reverse signal |
| HS2 | Polarity reverse signal |
| RHS | Handset hook SW |
| EXHS | External telephone hook SW |

66-31

| | |
|---------------------|--|
| Purpose | Setup |
| Function (Content) | Used to set the TEL/LIU status. (Only when FAX is installed.) |
| Section | FAX |
| Item | Operation |
| Operation/Procedure | Entry of only 0 or 1 is effective. Shift the cursor to the bit to enter. Cursor shift keys : ← : *, → : #. The bits are 1, 2, 3, 4, 5, 6, 7, and 8 from the left. The entered bit is highlighted. Press STRT to select the relay. |

SIMULATION 66-31
TEL/LIU SETTING.
INPUT 0 - 1, AND PRESS START.
MOVEMENT LEFT: [*] RIGHT: [#]
1. MPXA 2. CION ☐ 3. MR ☐ 4. EC
5. S 6. CML 7. DP ☐ 8. **10001100**

66-32

| | |
|---------------------|---|
| Purpose | Setup |
| Function (Content) | Used to check the received data. (Only when FAX is installed.) |
| Section | FAX |
| Item | Operation |
| Operation/Procedure | The fixed data received from the line are checked. |

(This mode is for production check, and inhibited in the market.)

SIMULATION 66-32
RECEIVED DATA CHECK.
CHECKING...(OK or NG)

<Display message>

| | |
|----------|-------------------------------|
| CHECKING | Checking |
| OK | Checking complete (Coincided) |
| NG | Checking end (Not coincided) |

66-33

| | |
|---------------------|--|
| Purpose | Setup |
| Function (Content) | Used to check signal detection. |
| Section | FAX |
| Item | Operation |
| Operation/Procedure | When the signal is detected, the display is highlighted. |

(This mode is for production check, and inhibited in the market.)

SIMULATION 66-33
SIGNAL DETECT CHECK.
BUSY TONE **CNG** CED FNET DTMF

66-34

| | |
|---------------------|--|
| Purpose | Setup |
| Function (Content) | Used to measure and display the communication time. |
| Section | FAX |
| Item | Operation |
| Operation/Procedure | The time spent for communication is measured. Send/receives are performed in the Standard mode. The communication time is displayed with the simulation. (unit: ms) |

SIMULATION 66-34
COMMUNICATION TIME DISPLAY.
***** ms

<Setup for send>

| | |
|---------------------|---------------------|
| Communication means | memory transmission |
| Image quality | Normal |
| Density | Thin |
| ECM | ON |
| Sender record | OFF |

66-35

| | |
|---------------------|--|
| Purpose | Operation test, check |
| Function (Content) | Modem program rewriting. |
| Section | FAX |
| Item | Operation |
| Operation/Procedure | The modem program in the FAX program is rewritten. 1) Select with 10 digit key pad and press START to execute the following. 1: MODEM program rewrite 2:Not clear 2) Check the loader check sum value. If it is OK, the test is normally completed. If NG, the check sum value (1 byte = hexadecimal) is displayed. 3) If the loader is NG, the MODEM result is also NG. 4) The Modem rewrite result is displayed. |

SIMULATION 66-35
MODEM PROGRAM RELOAD.
ARE YOU SURE ?
1. YES
2. NO

1

Press [START] key.

SIMULATION 66-35
MODEM PROGRAM RELOAD. EXECUTING...
LOADER...(OK or Check Sum value 1 byte (Hexadecimal))
MODEM...(COMPLETE or NG code 1 byte (Hexadecimal))

After completion of writing

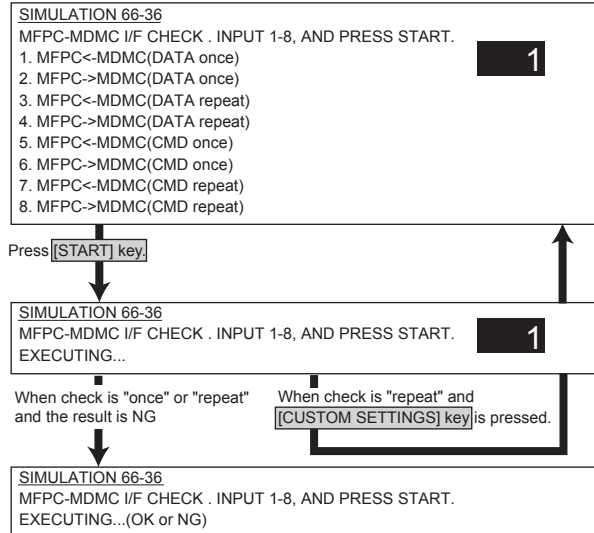
SIMULATION 66-35
MODEM PROGRAM RELOAD.
LOADER...OK
MODEM...COMPLETE

<Result of MODEM writing>

| | |
|----------|---------------------|
| COMPLETE | Writing completed |
| 81 | Check sum error |
| 82 | Write error |
| 83 | Delete error |
| 84 | Verify error |
| NG | Due to loader error |

66-36

| | |
|---------------------|--|
| Purpose | Operation test, check |
| Function (Content) | Used to check I/F between MFPC and MDMC. Check is made in the data line or the command line. |
| Section | FAX |
| Item | Operation |
| Operation/Procedure | 1) Select with 10 digit key pad and press START. 2) When check is "repeat," the operation is executed until the result becomes NG or CUSTOM SETTING is pressed. |

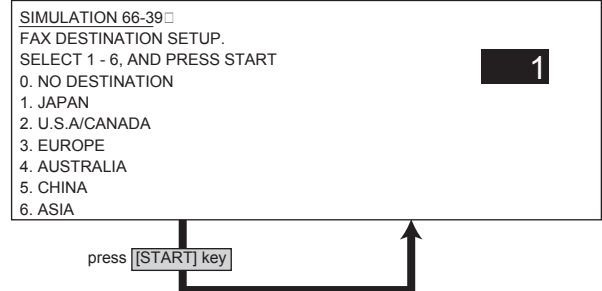


<List of display values>

| | | |
|---|--------------|------------------------|
| 1 | MFPC <- MDMC | Data line once only |
| 2 | MFPC -> MDMC | Data line once only |
| 3 | MFPC <- MDMC | Data line repeat |
| 4 | MFPC -> MDMC | Data line repeat |
| 5 | MFPC <- MDMC | Command line once only |
| 6 | MFPC -> MDMC | Command line once only |
| 7 | MFPC <- MDMC | Command line repeat |
| 8 | MFPC -> MDMC | Command line repeat |

66-39

| | |
|---------------------|---|
| Purpose | |
| Function (Content) | Registration of FAX destination |
| Section | FAX |
| Item | |
| Operation/Procedure | The current destination saved in the EEPROM of FAXBOX is displayed. Entries of 1 - 6 only are valid. Enter the number corresponding to your desired destination. (If no destination is saved in the EEPROM of FAXBOX, "0" is displayed.) 1) Enter the number with the 10-key and press [START] key, and the destination will be written on the FAX. |



<List of display values>

| | |
|---|-------------------------|
| 1 | Japan |
| 2 | North America |
| 3 | Europe (including U.K.) |
| 4 | Australia |
| 5 | China |
| 6 | Asia |

6. FAX software switch

A. SOFT SW SETUP CHANGE QUICK REFERENCE

| Large item | Medium item | Content of switch | Key operator | Soft SW No. | Purpose of use |
|----------------------------|---------------------------------------|---|---------------|-------------|---|
| Dial (Calling) | Remote machine calling disable | Monitoring polarity reverse in calling | | SW 23-3 | Dial disable |
| | | Line current detection in dial call | | SW 70-5 | Dial disable |
| | | Dial call wait time | | SW 62-1~2 | Dial disable/Erroneous dialing |
| | | Pause time | Initial setup | SW 70-1~4 | Dial disable/Erroneous dialing |
| | | Tone/Pulse default setup (Dial call signal) | Initial setup | SW 62-5~6 | Dial disable |
| | | •DTMF signal level (high group) | | SW 66-5~8 | Dial disable in PB (PB/FAX service, etc.) |
| | | •DTMF send level (low group) | | SW 67-1~4 | Dial disable in PB (PB/FAX service, etc.) |
| | | •DTMF signal send time | | SW 68-1~5 | Dial disable in PB (PB/FAX service, etc.) |
| | | •DTMF minimum pause | | SW 69-1~8 | Dial disable in PB (PB/FAX service, etc.) |
| | | Make time (10PPS) | | SW 63-1~4 | Dial disable in pulse |
| | | Break time (10PPS) | | SW 63-5~8 | Dial disable in pulse |
| | | Minimum pause (10PPS) | | SW 64-1~4 | Dial disable in pulse |
| | | Minimum pause (20PPS) | | SW 64-5~8 | Dial disable in pulse |
| | | Make time (20PPS) | | SW 65-1~4 | Dial disable in pulse |
| | | Break time (20PPS) | | SW 65-5~8 | Dial disable in pulse |
| | Signal detection | Busy tone detection | | SW 71-3 | Busy tone detection disable |
| | | Busy tone detection cycle | | SW 71-4~5 | Busy tone detection error |
| | | DT/BT detection level | | SW 71-6~7 | Busy tone detection disable |
| | | Dial tone detection | | SW 70-6 | Dial tone detection disable |
| | | Dial tone monitor time | | SW 70-7 | Dial tone detection error |
| | | Busy tone detection time lower limit | | SW 72-1~2 | Busy tone detection error |
| | | Busy tone detection time upper limit | | SW 72-3~4 | Busy tone detection error |
| | | DT/BT detection frequency range setup | | SW 71-1~2 | Dial tone/busy tone detection error |
| | F-NET | SDT signal detection | | SW 68-6 | F-NET contract line |
| Redial | Remote machine not responding | Recalling when the remote machine does not respond. | | SW 56-8 | No recall wanted when remote machine not responding |
| | Error | Number of recall in communication error | send setup | SW 57-5~8 | Effective only when divided with SW59-1 |
| | Error | Recall allowed in communication error | Send setup | SW 59-3 | |
| | Error | Recall interval in communication error | | SW 58-5~8 | |
| | Busy | Recall interval in communication busy | send setup | SW 57-1~4 | |
| | Busy | Number of recall in busy | send setup | SW 58-1~4 | |
| | Busy | Recall allowed in busy | send setup | SW 59-2 | |
| Reception (Calling) | Not receiving | Auto reception call number setup | Receive setup | SW 3-5~8 | Number of reception call |
| | | Auto/Manual default setup | User setup | SW 7-2 | Initial setup of auto reception/manual reception |
| | CI detection disable | Call signal ON time lower limit | | SW 75-1~4 | CI signal detection disable |
| | | Call signal ON time upper limit | | SW 75-5~8 | CI signal detection disable |
| | | Call signal OFF time lower limit | | SW 76-1~4 | CI signal detection disable |
| | | Call signal OFF time upper limit | | SW 76-5~6 | CI signal detection disable |
| | | Call signal OFF not-detection time | | SW 77-1~4 | CI signal detection disable |
| | F-NET contract line | 1300Hz detection time | | SW 68-7~8 | When F-net no-ring reception is not made. |
| External telephone handset | External telephone connection | External telephone connection | Initial setup | SW 3-2 | External telephone connection |
| | External telephone off-hook detection | External telephone off-hook detection time | | SW 12-1~8 | External telephone off-hook detection error |
| | Remote switch number | Remote switch number setup | Initial setup | SW 13-1~8 | Remote switch detection error |
| | Remote switch setup | Remove reception command | | SW 14-1 | Remote switch inhibit |
| | | External telephone notification in remote switching | | SW 14-2 | |
| | | Remote switch enable | | SW 14-3 | Remote switch is made when calling from external telephone. |

| Large item | Medium item | Content of switch | Key operator | Soft SW No. | Purpose of use |
|---------------------|-------------------------|--|---|-------------|--|
| TEL/FAX auto switch | | TEL/FAX auto switch setup | Initial setup | SW 7-1 | The line is used either for TEL or FAX. |
| | | Voice response send level to the line | | SW 51-1 | |
| | | Voice response send in TEL/FAX auto switch | | SW 51-2~3 | |
| | | Number of ring back tone preceding send | | SW 9-5~8 | |
| | External telephone call | Number of calls by external telephone pseudo-ringing sound | Initial setup | SW 9-1~4 | |
| | | Ring back tone ON time | | SW 10-1~4 | External telephone call disable CNG detection disable |
| | | Ring back tone OFF time | | SW 10-5~8 | External telephone call disable CNG detection disable |
| Communication | General | Signal send level | | SW 15-1~8 | When the remote machine does not receive signals in a proper level. |
| | | Polarity reversion monitor in communication | | SW 23-2 | When the line is disconnected during communication, the communication report code 2 of 11 or 20 is resulted. |
| | | ECM (Other than V.34 mode) | Initial setup | SW 17-5 | Error resend frequently occurs, resulting in extended communication time. |
| | | Timer setup between flag-adrs (V.21-FSK) | | SW 20-3~4 | Communication error in a satellite line |
| | | Send/receive coding capacity (Only V.34) | | SW 17-3~4 | Error in JBIG mode |
| | | Send/receive coding capacity (Except for V.34) | | SW 17-7~8 | Error in JBIG mode |
| | SG3 | V.34 mode function | | SW 43-1 | Frequent errors in SG3 communication |
| | | V.34 Symbol Rate Mask | | SW 43-3~6 | Frequent errors in SG3 communication |
| | | V.34 mode function in manual communication | | SW 42-8 | Frequent errors in SG3 communication in FAX service |
| | Send | G3/SG3 | Countermeasures against echo in sending | SW 20-7 | An error occurs in phase B. |
| | | | DIS reception confirmation | SW 20-2 | An error occurs in phase B. |
| | | | CED detection time | SW 25-5 | CED signal detection error |
| | | SG3 | V.34 mode send speed | SW 44-1~4 | An error occurs in SG3 communication. |
| | | G3 | Echo suppresser tone | SW 27-1~4 | An error occurs in V.29 communication |
| | | | Modem send speed | SW 16-1~4 | To uncertain/certain receiver |
| | | | DCS-TCF interval time | SW 24-1 | An error occurs in training. |
| | | | Error process in RTN reception | SW 30-2 | OK is displayed when RTN is received. |
| Receive | G3/SG3 | CSI send | | SW 20-1 | |
| | SG3 | V.34 mode reception speed | | SW 44-5~8 | An error occurs in SG3 communication. |
| | G3 | Countermeasures against echo in reception | | SW 20-6 | An error occurs n phase B in reception. |
| | | Modem speed fixed in reception | | SW 16-5~6 | Fall back or an error occurs due to poor line conditions. |
| | | EOL detection timer | | SW 23-1 | EOL time up occurs frequently. |
| | | RTN send line error rate | | SW 23-7~8 | Line error occurs frequently. |
| | | EQM judgment in TCF reception confirmation | | SW 24-2 | TCF reception error occurs. |
| | | TCF reception confirmation judgment method | | SW 24-3 | TCF reception error occurs. |
| Receive print | Paper selection | Sub scan length judgment | | SW 35-2 | Print is not made on the selected paper. |
| | | FAX paper exit tray | Receive setup | SW 28-7~8 | Print is not made on the selected paper. |
| | | Reception data print output condition setup | Receive setup | SW 35-3~4 | To make divided print instead of reduction print. |
| | | Auto reduction/Dispose setup | Receive setup | SW 35-7 | To disable reduction print. |
| | | magnification ratio setup in auto reduction | | SW 36-1~8 | To disable reduction print on fixed size paper. |
| | | Reduction/Dispose setup in printing A3-11x17 | | SW 35-8 | Print is not made on the selected paper when A3-11x17 size document is received. |
| | | Duplex reception print | Receive setup | SW 34-8 | To make duplex print of received document |
| | | Rotation print | | SW 35-1 | To disable rotation print |
| | | Received document output setup in reception | | SW 35-5 | To print after reception of each page |
| | | Reception width setup of 11 x 17 paper | | SW 37-3 | To print 11x17 document as B4 width |
| | | Reception size setup | | SW 37-1~2 | To limit the reception size. |

B. Details

| SW No. | Bit No. | Item | Switch selection and function | USA | Initial value | Key operator |
|--------|---------|--|---|-----|--|------------------------|
| 1 | 1-8 | Country code | Country code set by ITU-T. Control is made according to the set country code. | 1 | North America | |
| | | | | 0 | | |
| | | | | 1 | | |
| | | | | 1 | | |
| | | | | 0 | | |
| | | | | 1 | | |
| | | | | 0 | | |
| | | | | 1 | | |
| 2 | 1 | TSI judgment setting when a certain number receive reject (No signal or all space) | Used to set receive reject or receive allow when there is no TSI signal from the remote machine or when the TSI signal is all space, when a certain number receive reject is set to valid by the key operation. <div>1: Receive reject 0: Receive allow</div> | 0 | Receive allow | |
| | 2 | Specified number receive rejection setup (FAX) | Used to set whether a certain number receive reject by FAX is Enabled or Disabled. In auto receive only. <div>1: Specified number receive rejection (Valid) 0: Specified number receive ignored (Invalid)</div> | 0 | Specified number receive ignored (Invalid) | Receive setup |
| | 3 | Manual receive mode receive rejection setup (FAX) | Used to set whether a certain number receive reject by FAX is Enabled or Disabled. In manual receive only. <div>1: Specified number receive rejection 0: Specified number receive ignored(OFF)</div> | 0 | Specified number ignored | |
| | 4 | Manual receive mode auto receive switch setup | Used to set whether auto receive switch is performed or not in the manual receive mode. The number of switching to auto receive is set with SW2-5-8. <div>1: Allow(Switched) 0: Inhibit (Not switched)</div> | 0 | Inhibit | Receive setup |
| | 5-8 | Number of calls to switch to auto receive in manual receive | Used to set the number of calls to switch to auto receive in manual receive mode. This function is valid only when SW20-5 is set to "1: Allow (to switch)." If a value outside the set range is inputted, the default setup is made. | 1 | 9 | Receive setup |
| | | | | 0 | | |
| | | | | 0 | | |
| | | | | 1 | | |
| 3 | 1 | Not used | | 0 | | |
| | 2 | External telephone connection | Setting to use an external telephone. If not set to YES, an external telephone cannot be used. <div>1: External telephone YES 0: External Telephone NO</div> In North America, users cannot set this switch to "0: NO." | 1 | YES | Initial setup |
| | 3 | Default finish stamp | Used to set whether the finish stamp is used or not after completion of document scan when the SPF/RSPF is used. <div>1: Finish stamp used 0: Finish stamp not used</div> If a document feed unit other than the SPF/RSPF is used, this setup is invalid. | 0 | NO | Operation setup |
| | 4 | Not used | | 0 | | |
| | 5-8 | Number of calls for auto receives | Used to set the number of calls to start auto receive (to catch the line). Setup is made in the range of 0 ~ 15 by binary input. When set to 0, no ringing is made. For the nighttime FAX mode (main SW OFF, memory SW ON), however, ringing of an external telephone is made. | 0 | 2 | Receive setup |
| | | | | 0 | | |
| | | | | 1 | | |
| 4 | 1,2 | Not used | | 0 | | |
| | | | | 0 | | |
| | 3 | Polling protection | Used to set Enable/Disable of confidential protection (inhibition of transmission to erroneous party) in transmission of bulletin board. Confidential protection is made by collating the number registered in this machine and that in the other party machine. Sender's number and send request allow number are collated each other. In this machine, Sharp's unique collating of system number ← → ID number is not performed. <div>1: Not protected 0: Protected</div> | 0 | Protect | Polling security setup |
| | 4 | Relay data output | Used to set whether the document received from the relay station is outputted or not when relay broadcast reception is made. <div>1: Document received from relay station is not outputted. 0: Document received from relay station is outputted.</div> Similar to F code relay broadcast indicating reception. | 0 | Output | |

| SW No. | Bit No. | Item | Switch selection and function | USA | Initial value | Key operator | | | | | | | | | | | | | | | |
|--|---------|---|---|-----------------------|------------------------------|--------------|----------|---|---|-----------------|---|---|------------------------------|---|---|--|---|---|--------|------------|--|
| 4 | 5 | Not used | | 0 | | | | | | | | | | | | | | | | | |
| | 6 | F code relay broadcast function | Used to set whether relay broadcast transmission is made by receiving F code relay broadcast instruction from the other party or F code relay broadcast instruction is not received (even though the relay box number by SUB is matched on). Though this item is set to "without this function," F code relay broad cast instruction can be transmitted. <div><div>1: F code relay broadcast instruction is received from allowed party.</div><div>0: F code relay broadcast instruction is not received even from allowed party. (Judged as a communication error.)</div></div> | 0 | Receive | | | | | | | | | | | | | | | | |
| | 7 | F code confidential reception | Used to set YES/NO of F code confidential reception from the other party (even though the confidential box number is matched by SUB). Though this item is set to NO, F code confidential transmission can be made. <div><div>1: F code confidential reception inhibited (Judged as a communication error.)</div><div>0: F code confidential reception allowed.</div></div> | 0 | Receive | | | | | | | | | | | | | | | | |
| | 8 | F code communication error process | Used to set YES/NO of resend in F code transmission. When, however, SW59-3 (Recall allow in communication error) is set to 0 (Inhibit), recall is not made. <div><div>1: Not resend</div><div>0: Resend</div></div> | 0 | Resend | | | | | | | | | | | | | | | | |
| 5 | 1 | F code password transmission setup when the other party has no function of password | Used when the other party machine has no function of F code password in F code transmission. <div><div>1: Send with password</div><div>0: Disconnecting of line with DCN</div></div> | 0 | Line dis-connection with DCN | | | | | | | | | | | | | | | | |
| | 2,3 | Image quality in reception (Reflected on DIS, not reflected on DTC) | Used to set reception image resolution in FAX reception ringing (DIS send). <table><tr><th>Bit No.</th><th>2</th><th>3</th></tr><tr><td>Standard</td><td>1</td><td>1</td></tr><tr><td>Fine + Standard</td><td>1</td><td>0</td></tr><tr><td>Super fine + Fine + Standard</td><td>0</td><td>1</td></tr><tr><td>Ultra fine+ Super fine + Fine + Standard</td><td>0</td><td>0</td></tr></table> | Bit No. | 2 | 3 | Standard | 1 | 1 | Fine + Standard | 1 | 0 | Super fine + Fine + Standard | 0 | 1 | Ultra fine+ Super fine + Fine + Standard | 0 | 0 | 0 0 | Ultra fine | |
| Bit No. | 2 | 3 | | | | | | | | | | | | | | | | | | | |
| Standard | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| Fine + Standard | 1 | 0 | | | | | | | | | | | | | | | | | | | |
| Super fine + Fine + Standard | 0 | 1 | | | | | | | | | | | | | | | | | | | |
| Ultra fine+ Super fine + Fine + Standard | 0 | 0 | | | | | | | | | | | | | | | | | | | |
| | 4-8 | Not used | | 0 0 0 0 0 | | | | | | | | | | | | | | | | | |
| 6 | 1 | SUB capacity in reception | Used to set SUB capacity (Bit 49) to "1" in reception (DIS send). <div><div>1: NO (Set to 0)</div><div>0: YES (Set to 1)</div></div> | 0 | YES | | | | | | | | | | | | | | | | |
| | 2 | SEP capacity in reception | Used to set SEP capacity (Bit 47) to "1" in reception (DIS send) <div><div>1: NO (Set to 0)</div><div>0: YES (Set to 1)</div></div> | 0 | YES | | | | | | | | | | | | | | | | |
| | 3 | Reception PWD/SID capacity | Used to set PWD/SID capacity (Bit 50) to "1" in reception (DIS send). <div><div>1: NO (Set to 0)</div><div>0: YES (Set to 1)</div></div> | 0 | YES | | | | | | | | | | | | | | | | |
| | 4 | Automatic reduction send | Used to set whether the transmitted document is reduced or the both ends are cut when the transmitted document size is greater than the recording paper size (width) in the other party's machine. <div><div>1: Send by cutting both edges without reduction</div><div>0: Send by reduction</div></div> | 0 | Reduction setup | Send setup | | | | | | | | | | | | | | | |
| | 5 | Rotation send selection (A4 → A4R) (LTR → LTR-R) | Used to set whether A4 document is transmitted in A3 width (A4) or A4 document is rotated and transmitted in A4R. <div><div>1: Send as A3 width document (A4) without rotating</div><div>0: Send as A4 width document (A4R) with rotating</div></div> | 0 | Rotate | Send setup | | | | | | | | | | | | | | | |
| | 6 | Rotation send selection (B5R → B5) (16K → 16KR) | Used to set whether B5R document is transmitted in A4 width (B5R) or the scan image is rotated and transmitted in B4 width (B5). <div><div>1: Send as A4 width document (B5R) without rotating</div><div>0: Send as B4 width document (B5) with rotating</div></div> | 0 | Rotate | Send setup | | | | | | | | | | | | | | | |

| SW No. | Bit No. | Item | Switch selection and function | USA | Initial value | Key operator | | | | | | | | | | | | | | | | |
|-------------------------------------|--|--|--|---|---|---------------------------|----------------|------------|---|---|------|---|---|------------|---|---|------------|---|---|--------|------------|--|
| 6 | 7 | Rotation send selection (A5R → A5) (INVOICE-R → INVOICE) | Used to set whether A5R document is transmitted to A4 width (A5R) or the scan image is rotated and transmitted in A4 width (A5). <table><tr><td>1: Send as A4 width document (A5R) without rotating</td><td>0: Send as A4 width document (A5) with rotating</td></tr></table> | 1: Send as A4 width document (A5R) without rotating | 0: Send as A4 width document (A5) with rotating | 0 | Rotate | Send setup | | | | | | | | | | | | | | |
| | 1: Send as A4 width document (A5R) without rotating | 0: Send as A4 width document (A5) with rotating | | | | | | | | | | | | | | | | | | | | |
| 8 | EEPROM access inhibit | When an access trouble to EEPROM in the modem controller occurs, FAX operation cannot be performed. When this item is set to INHIBIT, FAX operation can be performed. The modem controller adjustment values (part of soft switch) are saved in EEPROM. ALLOW or INIHIBIT of access to EEPROM is set. <table><tr><td>1: Access to EEPROM inhibited</td><td>0: Access to EEPROM allowed</td></tr></table> | 1: Access to EEPROM inhibited | 0: Access to EEPROM allowed | 0 | Access allowed | | | | | | | | | | | | | | | | |
| 1: Access to EEPROM inhibited | 0: Access to EEPROM allowed | | | | | | | | | | | | | | | | | | | | | |
| 7 | 1 | Not used | | 0 | | | | | | | | | | | | | | | | | | |
| | 2 | Auto/Manual default setup | Used to select automatic reception or manual reception. (Do not set to manual reception when handset or external telephone is not connected. However, setting is possible and reception with on-hook key is possible.) In the manual reception mode, when the machine is in the nighttime FAX mode, the machine is booted but reception ringing is not made. <table><tr><td>1: Manual reception</td><td>0: Auto reception</td></tr></table> | 1: Manual reception | 0: Auto reception | 0 | Auto reception | User setup | | | | | | | | | | | | | | |
| | 1: Manual reception | 0: Auto reception | | | | | | | | | | | | | | | | | | | | |
| | 3,4 | Not used | | 0 0 | | | | | | | | | | | | | | | | | | |
| | 5 | Remaining memory capacity for reception | Used to set whether call-in is made until remaining memory capacity reaches 64KB or less or 128KB or less. <table><tr><td>1: Call-in until remaining memory is 64KB or less.</td><td>0: Call-in until remaining memory is 128KB or less.</td></tr></table> | 1: Call-in until remaining memory is 64KB or less. | 0: Call-in until remaining memory is 128KB or less. | 0 | 128KB or less | | | | | | | | | | | | | | | |
| | 1: Call-in until remaining memory is 64KB or less. | 0: Call-in until remaining memory is 128KB or less. | | | | | | | | | | | | | | | | | | | | |
| 6 | Memory over during reception | Used to set whether received data are outputted or disregarded without outputting in case of memory over during reception. <table><tr><td>1: Received data are not outputted.</td><td>0: Received data are outputted.</td></tr></table> | 1: Received data are not outputted. | 0: Received data are outputted. | 0 | Output | | | | | | | | | | | | | | | | |
| 1: Received data are not outputted. | 0: Received data are outputted. | | | | | | | | | | | | | | | | | | | | | |
| 7,8 | Not used | | 0 0 | | | | | | | | | | | | | | | | | | | |
| 8 | 1,2 | Image capacity in polling (reflected on DTC) | Used to set image capacity of the machine when polling. It is reflected on DTC, and is unrelated to SW5-2-5 (Image capacity during reception). <table><tr><td colspan="2">Bit No.</td><td>1</td><td>2</td></tr><tr><td>Standard</td><td>1</td><td>1</td></tr><tr><td>Fine</td><td>1</td><td>0</td></tr><tr><td>Super fine</td><td>0</td><td>1</td></tr><tr><td>Ultra fine</td><td>0</td><td>0</td></tr></table> | Bit No. | | 1 | 2 | Standard | 1 | 1 | Fine | 1 | 0 | Super fine | 0 | 1 | Ultra fine | 0 | 0 | 0 0 | Ultra fine | |
| | Bit No. | | 1 | 2 | | | | | | | | | | | | | | | | | | |
| | Standard | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| | Fine | 1 | 0 | | | | | | | | | | | | | | | | | | | |
| | Super fine | 0 | 1 | | | | | | | | | | | | | | | | | | | |
| Ultra fine | 0 | 0 | | | | | | | | | | | | | | | | | | | | |
| 3 | Error page output selection in FAX reception error | Used to set whether error page is outputted or disposed without outputting in case of a communication error during FAX reception. <table><tr><td>1: Error page is not outputted.</td><td>0: Error page is outputted.</td></tr></table> When, however, an error occurs during F code relay instruction reception or F code confidential reception, the error page is not outputted regardless of this SW setup. | 1: Error page is not outputted. | 0: Error page is outputted. | 0 | Output | | | | | | | | | | | | | | | | |
| 1: Error page is not outputted. | 0: Error page is outputted. | | | | | | | | | | | | | | | | | | | | | |
| 4 | Quick online/memory transmission selection | Used to select quick online transmission mode or memory transmission mode. <table><tr><td>1: Memory transmission</td><td>0: Quick online transmission</td></tr></table> | 1: Memory transmission | 0: Quick online transmission | 0 | Quick online transmission | Send setup | | | | | | | | | | | | | | | |
| 1: Memory transmission | 0: Quick online transmission | | | | | | | | | | | | | | | | | | | | | |
| 5-8 | Number of pages of dial ringing in quick online transmission | Used to set the number of pages of scanning at the dial ringing timing in quick online transmission. Can be set in the range of 1~15 pages by binary input. | 0 0 0 1 | 1 page | | | | | | | | | | | | | | | | | | |
| 9 | 1-6 | Not used | 0 | | | | | | | | | | | | | | | | | | | |
| | | | 1 | | | | | | | | | | | | | | | | | | | |
| | | | 1 | | | | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | | |

| SW No. | Bit No. | Item | Switch selection and function | USA | Initial value | Key operator | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|--|---|---------------|----------------------|-----------------|-------------|---|---|---|---|------|---|---|---|---|------------|---|---|---|---|------------|---|---|---|---|------------------|---|---|---|---|------------------------|---|---|---|---|------------------------|---|---|---|---|---|-------------|-----------------|
| 9 | 7,8 | Not used | | 0 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 1-4 | Ring back tone ON time Used to set the pseudo-ringing to an external telephone and the ring back tone ON time to the line. Setting can be made in the range of 0 ~ 3sec in the increment of 200ms. When set to 0, however, same as setting to 1sec. | 0 | 1sec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5-8 | Ring back tone OFF time Used to set the pseudo-ringing to an external telephone and the ring back tone OFF time to the line. Setting can be made in the range of 0 ~ 3sec in the increment of 200ms. When set to 0, however, same as setting to 2sec. When set to less than 2sec, busy tone may be erroneously detected. | 1 | 2sec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 1-4 | Image quality priority selection (Standard image quality setup) Used to set the initial setting of image quality selection when a document is scanned by FAX. . <table border="1"><tr><td>Bit No.</td><td>1</td><td>2</td><td>3</td><td>4</td></tr><tr><td>Normal text</td><td>0</td><td>0</td><td>0</td><td>0</td></tr><tr><td>Fine</td><td>0</td><td>0</td><td>0</td><td>1</td></tr><tr><td>Super fine</td><td>0</td><td>0</td><td>1</td><td>0</td></tr><tr><td>Ultra fine</td><td>0</td><td>0</td><td>1</td><td>1</td></tr><tr><td>Fine (Half tone)</td><td>0</td><td>1</td><td>0</td><td>1</td></tr><tr><td>Super fine (Half tone)</td><td>0</td><td>1</td><td>1</td><td>0</td></tr><tr><td>Ultra fine (Half tone)</td><td>0</td><td>1</td><td>1</td><td>1</td></tr></table> | Bit No. | 1 | 2 | 3 | 4 | Normal text | 0 | 0 | 0 | 0 | Fine | 0 | 0 | 0 | 1 | Super fine | 0 | 0 | 1 | 0 | Ultra fine | 0 | 0 | 1 | 1 | Fine (Half tone) | 0 | 1 | 0 | 1 | Super fine (Half tone) | 0 | 1 | 1 | 0 | Ultra fine (Half tone) | 0 | 1 | 1 | 1 | 0 | Normal text | Operation setup |
| | | | Bit No. | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Normal text | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Fine | 0 | 0 | 0 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Super fine | 0 | 0 | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Ultra fine | 0 | 0 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Fine (Half tone) | 0 | 1 | 0 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Super fine (Half tone) | 0 | 1 | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Ultra fine (Half tone) | 0 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Automatic wake up mode Used to set whether the machine is automatically wake up and the received document is outputted or the received document is saved in memory and will be outputted when the power is turned on next time when a FAX message is received with the main SW ON and the FAX power SW ON or in the the power save mode. <table border="1"><tr><td>1: Saved in memory without booting machine</td><td>0: Output by automatic booting of machine</td></tr></table> | 1: Saved in memory without booting machine | 0: Output by automatic booting of machine | 0 | Output | Initial setup | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1: Saved in memory without booting machine | 0: Output by automatic booting of machine | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Not used | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Image quality setup when saving | Used to set whether the initial setting of image quality selection in FAX send of a filed document is set to "Enable filed image quality" or not. <table border="1"><tr><td>1: Applied</td><td>0: Not applied</td></tr></table> | 1: Applied | 0: Not applied | 0 | Not applied | Operation setup | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1: Applied | 0: Not applied | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Selection of resend page in case of an error | Used to select resend pages in case of an error in transmission without F code. <table border="1"><tr><td>1: All pages (Resend all pages from the first page including transmitted pages.)</td><td>0: After error page (Resend after error page)</td></tr></table> If transmission includes F code, all pages are resent. | 1: All pages (Resend all pages from the first page including transmitted pages.) | 0: After error page (Resend after error page) | 0 | After the error page | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1: All pages (Resend all pages from the first page including transmitted pages.) | 0: After error page (Resend after error page) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 1-8 | External telephone off-hook detection time Used to set the time to recognize external telephone off-hook detection. The set range is 0ms - 255ms in the increment of 10ms by binary input. | 0 | 300ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 1-8 | Remote switch number setup Used to set the number for remote switch receive from an external telephone by binary input. However, remote switch numbers of "XX*" and "*" are fixed. When set to "C" (BCD) or above, same as setting to the initial value of "5" (BCD). <table border="1"><tr><td>55 (Japan)</td><td>5* (Outside Japan)</td></tr></table> | 55 (Japan) | 5* (Outside Japan) | 0 | 5* | Initial setup | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 55 (Japan) | 5* (Outside Japan) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 1 | Remote reception instruction Used to set YES/NO of remote switch from an external telephone. <table border="1"><tr><td>1: NO (remote switch disable)</td><td>0: YES (Remote switch enable)</td></tr></table> | 1: NO (remote switch disable) | 0: YES (Remote switch enable) | 0 | YES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1: NO (remote switch disable) | 0: YES (Remote switch enable) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| SW No. | Bit No. | Item | Switch selection and function | USA | Initial value | Key operator | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|--|--|---|--|----------------------------------|------------------|---------------------|---|---------------|--------------|---|---|-----------------|-----------------|---|---------------|---|---|---------------|----------------|---|---|---|--------------|---|---|---|---|--------------|---|---|---|---|-----------------|---|---|---|---|---------------|---|---|---|---|--------------|---|---|---|---|--------------|---|---|---|---|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|--|
| 14 | 2 | Notification to external telephone in remote switch | Used to set whether an alarm notification is sent to the external telephone or not when remote switch from an external telephone is performed. <table><tr><td>1: NO (Not notify)</td><td>0: YES(Notify)</td></tr></table> | 1: NO (Not notify) | 0: YES(Notify) | 0 | YES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1: NO (Not notify) | 0: YES(Notify) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3 | Remote switch operation allowed | Used to set whether remote switch from an external telephone is allowed only when call-in or when call-in and call-out. <table><tr><td>1: Switch enable in call-in and call-out</td><td>0: Switch enable only in call-in</td></tr></table> For North America, remote switch is enabled even in stand-by. For North America, this switch is disabled. | 1: Switch enable in call-in and call-out | 0: Switch enable only in call-in | 0 | Only when receiving | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1: Switch enable in call-in and call-out | 0: Switch enable only in call-in | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4-8 | Not used | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 1-8 | Signal send level | Used to set the signal send level from the Modem. The set range is 0 ~ 21 in the increment of 1dBm by binary input. For an actual line, the actual value is virtually the same as the set value. The max. level differs depending on the destination country. If setting exceeds the max. level, the max. level of the current destination is applied to. (However, North America is excluded.) | 0 | -10dBm | Adjustment value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 1-4 | Modem transmission speed (Except for V.34) (DCS) | Used to set the first speed in transmission of other than V.34. Reflected on DCS. Transmission is made not always at this speed. <table><tr><td>Bit No.</td><td>1</td><td>2</td><td>3</td><td>4</td><td>Bit No.</td><td>1</td><td>2</td><td>3</td><td>4</td></tr><tr><td>V.27ter 2400bps</td><td>0</td><td>0</td><td>0</td><td>0</td><td>V.17 14400bps</td><td>1</td><td>0</td><td>0</td><td>0</td></tr><tr><td>V.29 9600bps</td><td>0</td><td>0</td><td>0</td><td>1</td><td>V.17 9600bps</td><td>1</td><td>0</td><td>0</td><td>1</td></tr><tr><td>V.27ter 4800bps</td><td>0</td><td>0</td><td>1</td><td>0</td><td>V.17 12000bps</td><td>1</td><td>0</td><td>1</td><td>0</td></tr><tr><td>V.29 7200bps</td><td>0</td><td>0</td><td>1</td><td>1</td><td>V.17 7200bps</td><td>1</td><td>0</td><td>1</td><td>1</td></tr><tr><td>V.33 14400bps</td><td>0</td><td>1</td><td>0</td><td>0</td><td>★</td><td>1</td><td>1</td><td>0</td><td>0</td></tr><tr><td>★</td><td>0</td><td>1</td><td>0</td><td>1</td><td>★</td><td>1</td><td>1</td><td>0</td><td>1</td></tr><tr><td>V.33 12000bps</td><td>0</td><td>1</td><td>1</td><td>0</td><td>★</td><td>1</td><td>1</td><td>1</td><td>0</td></tr><tr><td>★</td><td>0</td><td>1</td><td>1</td><td>1</td><td>★</td><td>1</td><td>1</td><td>1</td><td>1</td></tr></table> For bit marked with ★, set to V.17 14400bps. | Bit No. | 1 | 2 | 3 | 4 | Bit No. | 1 | 2 | 3 | 4 | V.27ter 2400bps | 0 | 0 | 0 | 0 | V.17 14400bps | 1 | 0 | 0 | 0 | V.29 9600bps | 0 | 0 | 0 | 1 | V.17 9600bps | 1 | 0 | 0 | 1 | V.27ter 4800bps | 0 | 0 | 1 | 0 | V.17 12000bps | 1 | 0 | 1 | 0 | V.29 7200bps | 0 | 0 | 1 | 1 | V.17 7200bps | 1 | 0 | 1 | 1 | V.33 14400bps | 0 | 1 | 0 | 0 | ★ | 1 | 1 | 0 | 0 | ★ | 0 | 1 | 0 | 1 | ★ | 1 | 1 | 0 | 1 | V.33 12000bps | 0 | 1 | 1 | 0 | ★ | 1 | 1 | 1 | 0 | ★ | 0 | 1 | 1 | 1 | ★ | 1 | 1 | 1 | 1 | 1 | V.17-14400bps | |
| | | | | Bit No. | 1 | 2 | 3 | 4 | Bit No. | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | V.27ter 2400bps | 0 | 0 | 0 | 0 | V.17 14400bps | 1 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | V.29 9600bps | 0 | 0 | 0 | 1 | V.17 9600bps | 1 | 0 | 0 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | V.27ter 4800bps | 0 | 0 | 1 | 0 | V.17 12000bps | 1 | 0 | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | V.29 7200bps | 0 | 0 | 1 | 1 | V.17 7200bps | 1 | 0 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | V.33 14400bps | 0 | 1 | 0 | 0 | ★ | 1 | 1 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ★ | 0 | 1 | 0 | 1 | ★ | 1 | 1 | 0 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | V.33 12000bps | 0 | 1 | 1 | 0 | ★ | 1 | 1 | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ★ | 0 | 1 | 1 | 1 | ★ | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5,6 | Reception modem speed fixed (other than V.34) (DIS) | Used to set the first speed in transmission of other than V.34. Transmission is made not always at this speed. <table><tr><td>Bit No.</td><td>5</td><td>6</td></tr><tr><td>Fixing NO</td><td>0</td><td>0</td></tr><tr><td>V.29-9600bps</td><td>0</td><td>1</td></tr><tr><td>V.27ter-4800bps</td><td>1</td><td>0</td></tr><tr><td>V.17-14400bps</td><td>1</td><td>1</td></tr></table> | Bit No. | 5 | 6 | Fixing NO | 0 | 0 | V.29-9600bps | 0 | 1 | V.27ter-4800bps | 1 | 0 | V.17-14400bps | 1 | 1 | 0 | Not fixed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Bit No. | 5 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fixing NO | | | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V.29-9600bps | | | | 0 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V.27ter-4800bps | | | | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V.17-14400bps | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 7,8 | Not used | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 1,2 | Not used | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3,4 | Coding capacity in send/receive (V.34 communication) (Reflected on DIS/DCS/DTC.) | Used to set the coding capacity to transmit to the remote machine in V.34 communication. <table><tr><td>Bit No.</td><td>3</td><td>4</td></tr><tr><td>JBIG/MMR/MR/MH</td><td>0</td><td>0</td></tr><tr><td>MMR/MR/MH</td><td>0</td><td>1</td></tr><tr><td>MR/MH</td><td>1</td><td>0</td></tr><tr><td>MH</td><td>1</td><td>1</td></tr></table> | Bit No. | 3 | 4 | JBIG/MMR/MR/MH | 0 | 0 | MMR/MR/MH | 0 | 1 | MR/MH | 1 | 0 | MH | 1 | 1 | 0 | JBIG/MMR/MR/MH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Bit No. | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JBIG/MMR/MR/MH | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MMR/MR/MH | 0 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MR/MH | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MH | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| SW No. | Bit No. | Item | Switch selection and function | USA | Initial value | Key operator | | | | | | | | | | | | | | |
|----------------|--|---|--|---------------------------------------|--|----------------|------|---------------|-----------|-------|---|-------|-------|---|----|--------|---|--------|----------------|------|
| 17 | 5 | ECM (Valid for other than V.34) (Reflected on V.21 DIS/DCS.) | Used to set whether error resend mode is executed or not. Valid only when communication is made in a mode other than V.34. <table><tr><td>1: NO (ECM function NO)</td><td>0: YES (ECM function YES)</td></tr></table> | 1: NO (ECM function NO) | 0: YES (ECM function YES) | 0 | YES | Initial setup | | | | | | | | | | | | |
| | 1: NO (ECM function NO) | 0: YES (ECM function YES) | | | | | | | | | | | | | | | | | | |
| | 6 | Not used | | 0 | | | | | | | | | | | | | | | | |
| 7,8 | Coding capacity in send/receive (Reflected on DIS/DCS/DTC) (Other than V.34) | Used to set coding capacity to transmit to the other party machine in a communication of other than V.34. <table><tr><td>Bit No.</td><td>7</td><td>8</td></tr><tr><td>JBIG/MMR/MR/MH</td><td>0</td><td>0</td></tr><tr><td>MMR/MR/MH</td><td>0</td><td>1</td></tr><tr><td>MR/MH</td><td>1</td><td>0</td></tr><tr><td>MH</td><td>1</td><td>1</td></tr></table> | Bit No. | 7 | 8 | JBIG/MMR/MR/MH | 0 | 0 | MMR/MR/MH | 0 | 1 | MR/MH | 1 | 0 | MH | 1 | 1 | 0 0 | JBIG/MMR/MR/MH | |
| Bit No. | 7 | 8 | | | | | | | | | | | | | | | | | | |
| JBIG/MMR/MR/MH | 0 | 0 | | | | | | | | | | | | | | | | | | |
| MMR/MR/MH | 0 | 1 | | | | | | | | | | | | | | | | | | |
| MR/MH | 1 | 0 | | | | | | | | | | | | | | | | | | |
| MH | 1 | 1 | | | | | | | | | | | | | | | | | | |
| 18 | 1-8 | Not used | | 0 | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| 19 | 1-8 | Not used | | 0 | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | |
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| | | | | 0 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| 20 | 1 | CSI send | Used to set whether CSI send is performed or not. The CSI signal includes the sender's number. <table><tr><td>1: CSI signal not send</td><td>0: CSI signal send</td></tr></table> | 1: CSI signal not send | 0: CSI signal send | 0 | Send | | | | | | | | | | | | | |
| | 1: CSI signal not send | 0: CSI signal send | | | | | | | | | | | | | | | | | | |
| | 2 | DIS reception confirmation in G3 transmission | Used to set whether DIS reception is conformed or not in G3 mode transmission (valid only in other than V.34). This is valid only when communication is made in other than V.34. <table><tr><td>1: Reception of DIS is checked twice.</td><td>0: Reception of NSF/DIS is checked once, reception without NSF is checked twice.</td></tr></table> | 1: Reception of DIS is checked twice. | 0: Reception of NSF/DIS is checked once, reception without NSF is checked twice. | 0 | 0 | | | | | | | | | | | | | |
| | 1: Reception of DIS is checked twice. | 0: Reception of NSF/DIS is checked once, reception without NSF is checked twice. | | | | | | | | | | | | | | | | | | |
| | 3,4 | Timer setup between flag and address (V.21-FSK) | Used to set the timer between Flag and address when receiving FSK signal in a communication other than V.34. <table><tr><td>Bit No.</td><td>3</td><td>4</td></tr><tr><td>6sec</td><td>0</td><td>0</td></tr><tr><td>15sec</td><td>0</td><td>1</td></tr><tr><td>30sec</td><td>1</td><td>0</td></tr><tr><td>120sec</td><td>1</td><td>1</td></tr></table> | Bit No. | 3 | 4 | 6sec | 0 | 0 | 15sec | 0 | 1 | 30sec | 1 | 0 | 120sec | 1 | 1 | 0 0 | 6sec |
| Bit No. | 3 | 4 | | | | | | | | | | | | | | | | | | |
| 6sec | 0 | 0 | | | | | | | | | | | | | | | | | | |
| 15sec | 0 | 1 | | | | | | | | | | | | | | | | | | |
| 30sec | 1 | 0 | | | | | | | | | | | | | | | | | | |
| 120sec | 1 | 1 | | | | | | | | | | | | | | | | | | |
| 5 | Not used | | 0 | | | | | | | | | | | | | | | | | |
| 6 | Countermeasures against echo in reception (CED tone send interval) | Used to set the time interval (sec) from sending CED or ANSam to sending FSK signal of DIS. <table><tr><td>1: 500msec</td><td>0: 75msec</td></tr></table> If either SW20-6 or SW2-7 is YES, disconnection of the line after completion of communication is delayed for 1.5sec. | 1: 500msec | 0: 75msec | 0 | 75msec | | | | | | | | | | | | | | |
| 1: 500msec | 0: 75msec | | | | | | | | | | | | | | | | | | | |
| 7 | Countermeasures against echo in transmission (Used to set the hold time from DIS reception to signal sending.) | Used to set the time interval (sec) from DIS reception to DCS signal sending. This is valid only in the mode other than V.34. <table><tr><td>1: 500msec</td><td>0: 200msec</td></tr></table> | 1: 500msec | 0: 200msec | 0 | 200msec | | | | | | | | | | | | | | |
| 1: 500msec | 0: 200msec | | | | | | | | | | | | | | | | | | | |
| 8 | Not used | | 0 | | | | | | | | | | | | | | | | | |

| SW No. | Bit No. | Item | Switch selection and function | USA | Initial value | Key operator | | | | | | | | | | | | | | | |
|---|---|--|--|---|---|--------------|----------|---|---|----------|---|---|----------|---|---|-----------|---|---|---|----------|--|
| 21 | 1-3 | Setup of call time in auto transmission (T0 timer setup) | Used to set the time (sec) of calling when the other party does not receive the call in automatic transmission. The set range is 30 - 75sec in the increment of 15sec by binary input of N into "(15sec x N) + 30sec." The set range of N is 0 ~ 7. When set to a value outside the set range, the initial value of the destination is applied to. | 0 | 45sec | Send setup | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| | 4-7 | T1 timer setup | Used to set the time (sec) for connection of line when the other party does not respond in FAX communication. The set range is 30 - 105sec in the increment of 5sec by binary input of N into "(5sec x N) + 30sec." N is set in the range of 0 - 15. T1 timer is the timer for the time from recognition of FAX CED or DCS) by the other party after connection of line. The ITU-T standard is 35 ± 5sec. | 0 | 40sec | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | 8 | Not used | | 0 | | | | | | | | | | | | | | | | | |
| | 22 | 1-4 | Not used | | 0 | | | | | | | | | | | | | | | | |
| | | | | | 0 | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| 5,6 | | T4 timer setup at auto mode (+1.5sec for manual) | Used to set the timer up to respond and receive. Timer for DCS signal to respond and receive. For the ITU-T standard, 3sec ± 15%. <table><tr><td>Bit No.</td><td>5</td><td>6</td></tr><tr><td>3sec</td><td>0</td><td>0</td></tr><tr><td>4sec</td><td>0</td><td>1</td></tr><tr><td>5sec</td><td>1</td><td>0</td></tr><tr><td>6sec</td><td>1</td><td>1</td></tr></table> | Bit No. | 5 | 6 | 3sec | 0 | 0 | 4sec | 0 | 1 | 5sec | 1 | 0 | 6sec | 1 | 1 | 0 | 3sec | |
| | | | | Bit No. | 5 | 6 | | | | | | | | | | | | | | | |
| 3sec | | 0 | 0 | | | | | | | | | | | | | | | | | | |
| 4sec | | 0 | 1 | | | | | | | | | | | | | | | | | | |
| 5sec | | 1 | 0 | | | | | | | | | | | | | | | | | | |
| 6sec | | 1 | 1 | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| 7,8 | Not used | | 0 | | | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | |
| 23 | 1 | EOL detection timer | Used to set the detection timer (sec) of EOL (End Of Line) in Phase C reception of G3 mode. <table><tr><td>1: 25sec</td><td>0: 13sec</td></tr></table> If an error occurs in EOL detection, it is processed as EOL not detected. | 1: 25sec | 0: 13sec | 0 | 13sec | | | | | | | | | | | | | | |
| | | | | 1: 25sec | 0: 13sec | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | 2-6 | Not used | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| | 7,8 | RTN send line error rate | Used to set the threshold value for judgment of RTN sending in G3 reception. The threshold value is of STD conversion. The half of this value is used for judgment of RTP sending. <table><tr><td>Bit No.</td><td>7</td><td>8</td></tr><tr><td>6 liens</td><td>0</td><td>0</td></tr><tr><td>12 lines</td><td>0</td><td>1</td></tr><tr><td>60 lines</td><td>1</td><td>0</td></tr><tr><td>120 lines</td><td>1</td><td>1</td></tr></table> When, for example, FINE is received, the threshold value is doubled. | Bit No. | 7 | 8 | 6 liens | 0 | 0 | 12 lines | 0 | 1 | 60 lines | 1 | 0 | 120 lines | 1 | 1 | 1 | 60 lines | |
| | | | | Bit No. | 7 | 8 | | | | | | | | | | | | | | | |
| | 6 liens | 0 | 0 | | | | | | | | | | | | | | | | | | |
| 12 lines | 0 | 1 | | | | | | | | | | | | | | | | | | | |
| 60 lines | 1 | 0 | | | | | | | | | | | | | | | | | | | |
| 120 lines | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| 24 | 1 | DCS-TCF interval time | Used to set the time interval (sec) from DCS sending to TCF signal sending. <table><tr><td>1: 150msec</td><td>0: 75msec</td></tr></table> The ITU-T standard is 75 ± 20ms. | 1: 150msec | 0: 75msec | 0 | 75msec | | | | | | | | | | | | | | |
| | 1: 150msec | 0: 75msec | | | | | | | | | | | | | | | | | | | |
| | 2 | EQM judgment threshold value when confirming TCF reception | Used to set whether the threshold value (FTT) is set severely or loosely for EQM judgment in confirmation of TCF reception. <table><tr><td>1: Loosely</td><td>0: Severely</td></tr></table> If set loosely, TCF is easy to return CFR, but apt to cause an error in PIX (Phase C). | 1: Loosely | 0: Severely | 0 | Severely | | | | | | | | | | | | | | |
| | 1: Loosely | 0: Severely | | | | | | | | | | | | | | | | | | | |
| | 3 | Judgment method in confirmation of TCF reception | Used to set the judgment method of FTT in confirmation of TCF reception. <table><tr><td>1: Judged by EQM value. TCF is checked loosely.</td><td>0: Received data is judged to be 0 or not, and EQM value is judged.</td></tr></table> | 1: Judged by EQM value. TCF is checked loosely. | 0: Received data is judged to be 0 or not, and EQM value is judged. | 0 | 0 | | | | | | | | | | | | | | |
| 1: Judged by EQM value. TCF is checked loosely. | 0: Received data is judged to be 0 or not, and EQM value is judged. | | | | | | | | | | | | | | | | | | | | |
| 4 | Not used | | 0 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |

| SW No. | Bit No. | Item | Switch selection and function | USA | Initial value | Key operator | | | | | | | | | | | | | | | |
|----------------------------|------------------------|---|--|----------------------------|------------------------|--------------|--------------|---|------|---------|---|--------|---------|---|--------|----------|---|--------|--------|---------|--|
| 24 | 5 | Simplified ACR function | <table><tr><td>1: Function ON</td><td>0: Function OFF</td></tr></table> | 1: Function ON | 0: Function OFF | 0 | Function OFF | | | | | | | | | | | | | | |
| | 1: Function ON | 0: Function OFF | | | | | | | | | | | | | | | | | | | |
| | 6 | CED signal send | Used to set whether CED signal is sent or not. <table><tr><td>1: CED signal is not sent.</td><td>0: CED signal is sent.</td></tr></table> Valid only when SW43.1 (V.34 mode function) is OFF. This is because ANSam signal is indispensable in V.34 mode. | 1: CED signal is not sent. | 0: CED signal is sent. | 0 | Send | | | | | | | | | | | | | | |
| 1: CED signal is not sent. | 0: CED signal is sent. | | | | | | | | | | | | | | | | | | | | |
| 7,8 | CED signal send time | Used to set the time for CED signal send. <table><tr><td>Bit No.</td><td>7</td><td>8</td></tr><tr><td>3sec</td><td>0</td><td>0</td></tr><tr><td>4sec</td><td>0</td><td>1</td></tr><tr><td>5sec</td><td>1</td><td>0</td></tr><tr><td>6sec</td><td>1</td><td>1</td></tr></table> ANSam signal follows SW46-7 ~ 8. | Bit No. | 7 | 8 | 3sec | 0 | 0 | 4sec | 0 | 1 | 5sec | 1 | 0 | 6sec | 1 | 1 | 0 0 | 3sec | | |
| Bit No. | 7 | 8 | | | | | | | | | | | | | | | | | | | |
| 3sec | 0 | 0 | | | | | | | | | | | | | | | | | | | |
| 4sec | 0 | 1 | | | | | | | | | | | | | | | | | | | |
| 5sec | 1 | 0 | | | | | | | | | | | | | | | | | | | |
| 6sec | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 25 | 1,2 | CED/ANSam send start wait time | Used to set the wait time for sending CED/ANSam signals to the line from FAX reception state after connection of the line. <table><tr><td>Bit No.</td><td>1</td><td>2</td></tr><tr><td>2.25sec</td><td>0</td><td>0</td></tr><tr><td>3sec</td><td>0</td><td>1</td></tr><tr><td>4sec</td><td>1</td><td>0</td></tr><tr><td>2.25sec</td><td>1</td><td>1</td></tr></table> | Bit No. | 1 | 2 | 2.25sec | 0 | 0 | 3sec | 0 | 1 | 4sec | 1 | 0 | 2.25sec | 1 | 1 | 0 0 | 2.25sec | |
| | Bit No. | 1 | 2 | | | | | | | | | | | | | | | | | | |
| | 2.25sec | 0 | 0 | | | | | | | | | | | | | | | | | | |
| | 3sec | 0 | 1 | | | | | | | | | | | | | | | | | | |
| | 4sec | 1 | 0 | | | | | | | | | | | | | | | | | | |
| 2.25sec | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 3,4 | CNG send time | Used to set the wait time from connection of the line to sending of CNG signal to the line. <table><tr><td>Bit No.</td><td>3</td><td>4</td></tr><tr><td>0.5sec</td><td>0</td><td>0</td></tr><tr><td>1sec</td><td>0</td><td>1</td></tr><tr><td>1.5sec</td><td>1</td><td>0</td></tr><tr><td>2.0sec</td><td>1</td><td>1</td></tr></table> | Bit No. | 3 | 4 | 0.5sec | 0 | 0 | 1sec | 0 | 1 | 1.5sec | 1 | 0 | 2.0sec | 1 | 1 | 1 1 | 2sec | | |
| | | | Bit No. | 3 | 4 | | | | | | | | | | | | | | | | |
| 0.5sec | 0 | 0 | | | | | | | | | | | | | | | | | | | |
| 1sec | 0 | 1 | | | | | | | | | | | | | | | | | | | |
| 1.5sec | 1 | 0 | | | | | | | | | | | | | | | | | | | |
| 2.0sec | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 5 | CED detection time | Used to set the wait time for determination of the signal when detecting CED/ ANSam signal. <table><tr><td>1: 1000ms</td><td>0: 500ms</td></tr></table> | 1: 1000ms | 0: 500ms | 0 | 500ms | | | | | | | | | | | | | | | |
| 1: 1000ms | 0: 500ms | | | | | | | | | | | | | | | | | | | | |
| 6-8 | Not used | | 0 | | | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | |
| 26 | 1,2 | Number of times of RCP send | Used to set the number of times of RCP send when sending Phase C in ECM system. <table><tr><td>Bit No.</td><td>1</td><td>2</td></tr><tr><td>3 times</td><td>0</td><td>0</td></tr><tr><td>6 times</td><td>0</td><td>1</td></tr><tr><td>9 times</td><td>1</td><td>0</td></tr><tr><td>12 times</td><td>1</td><td>1</td></tr></table> When the other party cannot detect the RCP frame, it becomes easy to detect RCP. | Bit No. | 1 | 2 | 3 times | 0 | 0 | 6 times | 0 | 1 | 9 times | 1 | 0 | 12 times | 1 | 1 | 0 0 | 3 times | |
| | Bit No. | 1 | 2 | | | | | | | | | | | | | | | | | | |
| | 3 times | 0 | 0 | | | | | | | | | | | | | | | | | | |
| | 6 times | 0 | 1 | | | | | | | | | | | | | | | | | | |
| | 9 times | 1 | 0 | | | | | | | | | | | | | | | | | | |
| 12 times | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 3 | Number of RTC EOL send | Used to set how many EOL's are sent as RTC when sending Phase C. <table><tr><td>1: 12 times</td><td>0: 6 times</td></tr></table> When the other party cannot detect the RCP, it becomes easy to detect RCP. | 1: 12 times | 0: 6 times | 0 | 6 times | | | | | | | | | | | | | | | |
| 1: 12 times | 0: 6 times | | | | | | | | | | | | | | | | | | | | |
| 4-8 | Not used | | 0 | | | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | |

| SW No. | Bit No. | Item | Switch selection and function | USA | Initial value | Key operator | | | | | | | | | | | | | | | | | | | | |
|--------|---------|----------------------------------|--|---|---|-----------------------|-----------------------|--|---|-----------------|---------------|---|---|-----------------------|-----------------------|------|---|---------------|---------|------|---|--------|---------|---|---------------------------|--|
| 27 | 1-4 | Echo suppressor tone setup | Used to set YES/NO of echo suppressor tone in each high-speed modulation system. <table border="1"><tr><td></td><td>Bit No.</td><td></td><td></td></tr><tr><td>V.33</td><td>1</td><td>1 : NO</td><td>0 : YES</td></tr><tr><td>V.17</td><td>2</td><td>1 : NO</td><td>0 : YES</td></tr><tr><td>V.29</td><td>3</td><td>1 : NO</td><td>0 : YES</td></tr><tr><td>V.27</td><td>4</td><td>1 : NO</td><td>0 : YES</td></tr></table> | | Bit No. | | | V.33 | 1 | 1 : NO | 0 : YES | V.17 | 2 | 1 : NO | 0 : YES | V.29 | 3 | 1 : NO | 0 : YES | V.27 | 4 | 1 : NO | 0 : YES | 0 | YES (No for V.29 only) | |
| | | | | | Bit No. | | | | | | | | | | | | | | | | | | | | | |
| | | | | V.33 | 1 | 1 : NO | 0 : YES | | | | | | | | | | | | | | | | | | | |
| | | | | V.17 | 2 | 1 : NO | 0 : YES | | | | | | | | | | | | | | | | | | | |
| | | | | V.29 | 3 | 1 : NO | 0 : YES | | | | | | | | | | | | | | | | | | | |
| | | | | V.27 | 4 | 1 : NO | 0 : YES | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5-8 | Not used | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | 1-6 | Not used | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| | 7,8 | FAX paper exit tray setup | <table border="1"><tr><td></td><td>Bit No.</td><td></td><td></td></tr><tr><td>With finisher installed + automatic offset</td><td>7</td><td>1:Finisher tray</td><td>0:Center tray</td></tr><tr><td>With finisher installed + manual offset</td><td>8</td><td>1:Finisher lower tray</td><td>0:Finisher upper tray</td></tr></table> | | Bit No. | | | With finisher installed + automatic offset | 7 | 1:Finisher tray | 0:Center tray | With finisher installed + manual offset | 8 | 1:Finisher lower tray | 0:Finisher upper tray | 0 | | Receive setup | | | | | | | | |
| | | | | | Bit No. | | | | | | | | | | | | | | | | | | | | | |
| | | | | With finisher installed + automatic offset | 7 | 1:Finisher tray | 0:Center tray | | | | | | | | | | | | | | | | | | | |
| | | | | With finisher installed + manual offset | 8 | 1:Finisher lower tray | 0:Finisher upper tray | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | 1-8 | Not used | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| | 30 | 1 | Not used | | 0 | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 2 | Error reception in RTN reception | Used to set whether RTN signal reception is judged as an error or not. (Only in G3 mode) <table border="1"><tr><td>1: RTN reception is not judged as an error.</td><td>0: RTN reception is judged as an error.</td></tr></table> | 1: RTN reception is not judged as an error. | 0: RTN reception is judged as an error. | 0 | Judges as an error | | | | | | | | | | | | | | | | | | | |
| | | | | 1: RTN reception is not judged as an error. | 0: RTN reception is judged as an error. | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3-8 | Not used | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| | 31 | 1-8 | Not used | | 0 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 0 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 0 | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | |

| SW No. | Bit No. | Item | Switch selection and function | USA | Initial value | Key operator | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|---|--|-------------------------------------|-------------------------------|-------------------------|------------------|---|-----------------------------------|---|---|-----------------------------------|---|---|-------------------------|---|---|----------------------------------|-----|---|-----------------------------------|---|---|---|----|---------------|
| 32 | 1-8 | Not used | | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | 1,2 | Transmission cable amplitude equalizer | Used to set whether the send level is changed by frequency or not when sending FAX signal. <table><tr><td>Bit No.</td><td>1</td><td>2</td></tr><tr><td>0dB</td><td>0</td><td>0</td></tr><tr><td>4dB</td><td>0</td><td>1</td></tr><tr><td>8dB</td><td>1</td><td>0</td></tr><tr><td>12dB</td><td>1</td><td>1</td></tr></table> | Bit No. | 1 | 2 | 0dB | 0 | 0 | 4dB | 0 | 1 | 8dB | 1 | 0 | 12dB | 1 | 1 | 0 | 0dB | | | | | | | |
| | | | | Bit No. | 1 | 2 | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0dB | 0 | 0 | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4dB | 0 | 1 | | | | | | | | | | | | | | | | | | | | | |
| | | | | 8dB | 1 | 0 | | | | | | | | | | | | | | | | | | | | | |
| | 12dB | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3-7 | Not used | | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Paper selection when reception printing (LTR/A4) | Used to set whether LTR is confirmed first of all in selection of paper for reception printing or paper that provides smaller reduction rate of A4 and LTR is selected. <table><tr><td>1: Priority on LTR</td><td>0: Priority on LTR/A4 reduction rate</td></tr></table> | 1: Priority on LTR | 0: Priority on LTR/A4 reduction rate | 0 | Priority on LTR/A4 | | | | | | | | | | | | | | | | | | | | | |
| 1: Priority on LTR | 0: Priority on LTR/A4 reduction rate | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | 1-7 | Not used | | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| | 8 | Duplex reception print | Used to set whether reception data are printed on duplex surfaces when printing FAX reception. <table><tr><td>1: Duplex reception is printed.</td><td>0: Duplex reception is not printed.</td></tr></table> | 1: Duplex reception is printed. | 0: Duplex reception is not printed. | 0 | Not print | Receive setup | | | | | | | | | | | | | | | | | | | |
| | 1: Duplex reception is printed. | 0: Duplex reception is not printed. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 35 | 1 | Rotational print | Used to set whether rotation print is made or not when received data can be printed by rotating in FAX reception printing. <table><tr><td>1: Received data are not rotated.</td><td>0: Received data are rotated.</td></tr></table> | 1: Received data are not rotated. | 0: Received data are rotated. | 0 | Rotational print | | | | | | | | | | | | | | | | | | | |
| 1: Received data are not rotated. | | | | | 0: Received data are rotated. | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | Sub scan length judgment | Used to set whether priority is given to the width or the length when selecting the optimum paper in received data printing. <table><tr><td>1: Priority on data width</td><td>0: Priority on data length</td></tr></table> | 1: Priority on data width | 0: Priority on data length | 0 | Priority on data length | | | | | | | | | | | | | | | | | | | | |
| | | | | 1: Priority on data width | 0: Priority on data length | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 3,4 | Received data print condition setup | | | | Used to set selection of the optimum paper for received data printing. <table><tr><td>Bit No.</td><td>3</td><td>4</td></tr><tr><td>Optimum size/Large size/reduction</td><td>0</td><td>0</td></tr><tr><td>Optimum size/Large size</td><td>0</td><td>1</td></tr><tr><td>Optimum size/Large size/Division</td><td>1</td><td>0</td></tr><tr><td>Optimum size/Large size/reduction</td><td>1</td><td>1</td></tr></table> | Bit No. | 3 | 4 | Optimum size/Large size/reduction | 0 | 0 | Optimum size/Large size | 0 | 1 | Optimum size/Large size/Division | 1 | 0 | Optimum size/Large size/reduction | 1 | 1 | 0 | 00 | Receive setup |
| | | | | | | | | | | Bit No. | 3 | 4 | | | | | | | | | | | | | | | |
| | | | | | | | | | | Optimum size/Large size/reduction | 0 | 0 | | | | | | | | | | | | | | | |
| Optimum size/Large size | 0 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Optimum size/Large size/Division | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Optimum size/Large size/reduction | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Received document output setup | Used to set whether all received data are collectively printed after completion of all FAX reception or each page is printed after completion of reception of each page. <table><tr><td>1: Each page is printed after reception of each page.</td><td>0: Collectively printed after completion of all FAX reception</td></tr></table> | 1: Each page is printed after reception of each page. | 0: Collectively printed after completion of all FAX reception | 0 | Collectively outputted | | | | | | | | | | | | | | | | | | | | | |
| 1: Each page is printed after reception of each page. | 0: Collectively printed after completion of all FAX reception | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6 | Not used | | 0 | | | | | | | | | | | | | | | | | | | | | | | |
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| SW No. | Bit No. | Item | Switch selection and function | USA | Initial value | Key operator | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 35 | 7 | Automatic reduction/dispose setup | Used to set whether automatic reduction is made so that the received data can be printed on a page if reduced, when a document the size of which exceeds the printable limit but is within the magnification ratio setup range of automatic reduction is received. <table><tr><td>1: Automatic reduction is not made and data exceeding the printable limit are disposed.</td><td>0: Printed by automatic reduction</td></tr></table> | 1: Automatic reduction is not made and data exceeding the printable limit are disposed. | 0: Printed by automatic reduction | 0 | Reduction | Receive setup | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1: Automatic reduction is not made and data exceeding the printable limit are disposed. | 0: Printed by automatic reduction | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Reduction/dispose setup when printing A3, 11X 17 | Used to set whether the main scan width data are reduced or data on both edges are disposed without reduction when A3 width document is received and printed on 11x 17 inch paper. When set to "Reduction," the data are reduced by 94%. <table><tr><td>1: Dispose</td><td>0: Reduction</td></tr></table> | 1: Dispose | 0: Reduction | 1 | Dispose | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1: Dispose | 0: Reduction | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | 1-8 | Setup of magnification ratio in automatic reduction | Used to set the percentage by which the received document is longer than the printable length when automatic reduction print is enabled. The setup range is 85 - 100% by binary input of N into "N x 1% + 85%."When set to outside the range, similar to the default value of 90%. | 0 | 90% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | 1,2 | Reception size specification (Indicates reception capacity.) | Used to set the reception allowable document width of the machine which is notified to the other party machine when receiving. <table><tr><td>Bit No.</td><td>1</td><td>2</td></tr><tr><td>By installed cassette</td><td>0</td><td>0</td></tr><tr><td>A4 width</td><td>0</td><td>1</td></tr><tr><td>B4(A4•B4) width</td><td>1</td><td>0</td></tr><tr><td>A3(A3•B4•A4) width</td><td>1</td><td>1</td></tr></table> When using the installed cassette, the max. cassette size as follows : <table><tr><td>A5/5.5 x 8.5R size</td><td>A4 width</td></tr><tr><td>B5 size</td><td>B4 width</td></tr><tr><td>A4/8.5 x 11 size</td><td>A3 width</td></tr><tr><td>8.5 x 13/8.5 x 14</td><td>A3 width</td></tr><tr><td>B4 size</td><td>B4 width</td></tr><tr><td>11 x 17</td><td>B4/A3 width (Switch by FAX soft SW)</td></tr><tr><td>A3 size</td><td>A3 width</td></tr></table> A3 width is used when no tray is set for Fax reception and printing and when the cassette is open in case of installed cassettes. | Bit No. | 1 | 2 | By installed cassette | 0 | 0 | A4 width | 0 | 1 | B4(A4•B4) width | 1 | 0 | A3(A3•B4•A4) width | 1 | 1 | A5/5.5 x 8.5R size | A4 width | B5 size | B4 width | A4/8.5 x 11 size | A3 width | 8.5 x 13/8.5 x 14 | A3 width | B4 size | B4 width | 11 x 17 | B4/A3 width (Switch by FAX soft SW) | A3 size | A3 width | 0 | By installed cassette | |
| | | | | Bit No. | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | By installed cassette | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | A4 width | 0 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | B4(A4•B4) width | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | A3(A3•B4•A4) width | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | A5/5.5 x 8.5R size | A4 width | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | B5 size | B4 width | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | A4/8.5 x 11 size | A3 width | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 8.5 x 13/8.5 x 14 | A3 width | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B4 size | B4 width | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 x 17 | B4/A3 width (Switch by FAX soft SW) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A3 size | A3 width | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 3 | 11 x 17 paper reception width setup | Used to set the reception allowable document width when 11 x 17 paper is selected as FAX print paper. <table><tr><td>1:B4(B4•A4) width</td><td>0:A3(A3•B4•A4) width</td></tr></table> | 1:B4(B4•A4) width | 0:A3(A3•B4•A4) width | 0 | A3 width | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1:B4(B4•A4) width | 0:A3(A3•B4•A4) width | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Date/sender print language selection | Used to set the date and FAX No. print (depending on the destination) at the top of the document when transmitting. Date, FAX No. and fonts are switched. <table><tr><td>1: For North America</td><td>0: Depends on each destination</td></tr></table> | 1: For North America | 0: Depends on each destination | 0 | Depends on the destination. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1: For North America | 0: Depends on each destination | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Default date/sender print | Used to set whether the date and sender information are added at the top of the transmitted document as default. <table><tr><td>1: Not added</td><td>0: Added</td></tr></table> | 1: Not added | 0: Added | 0 | Added | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1: Not added | 0: Added | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Date/sender information print position setup | Used to set the print position of the date/sender information at the top of the transmitted document. <table><tr><td>1: Top of document</td><td>0: Outside of document</td></tr></table> | 1: Top of document | 0: Outside of document | 0 | Outside the document | Send setup | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1: Top of document | 0: Outside of document | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Page number print | Used to set whether the page number is added at the date/sender information print position or not. (Page number/Total page number in case of memory transmission) <table><tr><td>1: Not added</td><td>0: Added</td></tr></table> | 1: Not added | 0: Added | 0 | Added | Send setup | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1: Not added | 0: Added | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Not used | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| SW No. | Bit No. | Item | Switch selection and function | USA | Initial value | Key operator | | | | | | | | | | | | | | | |
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| 38 | 1,2 | Protocol monitor | Used to set whether the protocol monitor (which is recognized by the FAX) for one communication is printed or not. When a new communication is made before printing the protocol monitor, the old protocol data are deleted. (Overwriting) <table border="1"><tr><td>Bit No.</td><td>1</td><td>2</td></tr><tr><td>NO (Not print)</td><td>0</td><td>0</td></tr><tr><td>NO (Not print)</td><td>0</td><td>1</td></tr><tr><td>Print (Always)</td><td>1</td><td>0</td></tr><tr><td>Only in an error (Print)</td><td>1</td><td>1</td></tr></table> | Bit No. | 1 | 2 | NO (Not print) | 0 | 0 | NO (Not print) | 0 | 1 | Print (Always) | 1 | 0 | Only in an error (Print) | 1 | 1 | 0 | NO | |
| | | | | Bit No. | 1 | 2 | | | | | | | | | | | | | | | |
| | | | | NO (Not print) | 0 | 0 | | | | | | | | | | | | | | | |
| | | | | NO (Not print) | 0 | 1 | | | | | | | | | | | | | | | |
| | | | | Print (Always) | 1 | 0 | | | | | | | | | | | | | | | |
| Only in an error (Print) | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
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| 3 | Line monitor display | Used to set whether the communication speed during communication and the reception level during reception are displayed on the LCD or not. <table border="1"><tr><td>1: Displayed on LCD</td><td>0: Not displayed on LCD</td></tr></table> | 1: Displayed on LCD | 0: Not displayed on LCD | 0 | Not displayed | | | | | | | | | | | | | | | |
| 1: Displayed on LCD | 0: Not displayed on LCD | | | | | | | | | | | | | | | | | | | | |
| 4-8 | Time print (o'clock) on the communication report table | Used to set the time print (o'clock) when time is printed on the communication report table. The set range is 0 - 23 o'clock by binary input. If a value of 24 - 31 is inputted, it is set to 0 o'clock. | 0 | 0 o'clock | Initial setup | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | |
| 39 | 1 | Communication report table printing at the specified time | Used to set whether the communication report table is outputted at the specified time or not. Though time specification print is enabled, if the specified time is in the nighttime FAX mode, output is not made. <table border="1"><tr><td>1: Communication report table is printed at the specified time.</td><td>0: Communication report table is not printed at the specified time.</td></tr></table> | 1: Communication report table is printed at the specified time. | 0: Communication report table is not printed at the specified time. | 0 | Not output | Initial setup | | | | | | | | | | | | | |
| | | | | 1: Communication report table is printed at the specified time. | 0: Communication report table is not printed at the specified time. | | | | | | | | | | | | | | | | |
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| 2-7 | Time print (min) on the communication report table | Used to set the time print (min) when time is printed on the communication report table. The set range is 0 - 59min by binary input. If a value of 60 - 63 is inputted, it is set to 0 min. | 0 | 0 min | Initial setup | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | |
| 8 | Automatic print of communication report table at memory full | Used to set whether the communication report table is automatically outputted or not when the number of send/receive items reaches 50 items. <table border="1"><tr><td>1: Automatic print</td><td>0: Not print</td></tr></table> If the report is not outputted, the oldest data are overwritten. | 1: Automatic print | 0: Not print | 0 | Not output | Initial setup | | | | | | | | | | | | | | |
| | | | 1: Automatic print | 0: Not print | | | | | | | | | | | | | | | | | |
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| 40 | 1 | Print of total communication time on the communication report table | Used to set whether the total communication time and the total number of pages are printed on the communication report table or not. <table border="1"><tr><td>1: Not print</td><td>0: The total time and the total number of pages are printed.</td></tr></table> | 1: Not print | 0: The total time and the total number of pages are printed. | 0 | Print | | | | | | | | | | | | | | |
| | | | | 1: Not print | 0: The total time and the total number of pages are printed. | | | | | | | | | | | | | | | | |
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| 2 | Report output (when in receive rejection) <FAX only> | Used to set whether the communication report is outputted or not when FAX receive is set to "receive reject." However, report output (in receive) must be set to "Not print." <table border="1"><tr><td>1: Printed</td><td>0: Not printed</td></tr></table> | 1: Printed | 0: Not printed | 0 | Not printed | | | | | | | | | | | | | | | |
| 1: Printed | 0: Not printed | | | | | | | | | | | | | | | | | | | | |
| 3 | Sent document print in F code communication | Used to set whether part of the sent document is printed or not on the communication report table in F code communication. The setup of SW41-1 and SW41-2 has priority over this setup. <table border="1"><tr><td>1: Sent document is printed.</td><td>0: Sent document is not printed.</td></tr></table> | 1: Sent document is printed. | 0: Sent document is not printed. | 0 | Not printed. | | | | | | | | | | | | | | | |
| 1: Sent document is printed. | 0: Sent document is not printed. | | | | | | | | | | | | | | | | | | | | |
| 4 | Report output (When canceling) | Used to set whether the communication report table is outputted or not when transmission is canceled during transmission of document. <table border="1"><tr><td>1: Communication report table is printed.</td><td>0: Communication report table is not printed.</td></tr></table> | 1: Communication report table is printed. | 0: Communication report table is not printed. | 0 | Not output | | | | | | | | | | | | | | | |
| 1: Communication report table is printed. | 0: Communication report table is not printed. | | | | | | | | | | | | | | | | | | | | |
| 5 | Report output (in confidential reception) <FAX only> | Used to set whether the communication report table (reception) is outputted or not in confidential reception. <table border="1"><tr><td>1: Communication report table is not printed.</td><td>0: Communication report table is printed.</td></tr></table> | 1: Communication report table is not printed. | 0: Communication report table is printed. | 0 | Output | Initial setup | | | | | | | | | | | | | | |
| 1: Communication report table is not printed. | 0: Communication report table is printed. | | | | | | | | | | | | | | | | | | | | |
| 6-8 | Not used | | 0 | | | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | |

| SW No. | Bit No. | Item | Switch selection and function | USA | Initial value | Key operator | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|-------------------------------|------------------------------|-----------------|-----------|---|-----------|--------------|---|--|---------------------|---|----------------------------------|---------------------|---|---|----------------------------------|---------------------|---------------|
| 41 | 1,2 | Send mode document content print (Report table) <FAX only> | Used to set whether part of a send document is printed on the communication report (send) or not in FAX send error. However, use the other soft switch to set whether the communication report is printed or not. <table border="1"><tr><td>Bit No.</td><td>1</td><td>2</td></tr><tr><td>Not print</td><td>0</td><td>0</td></tr><tr><td>Always print</td><td>0</td><td>1</td></tr><tr><td>In case of an error</td><td>1</td><td>0</td></tr><tr><td>In case of an error</td><td>1</td><td>1</td></tr></table> | Bit No. | 1 | 2 | Not print | 0 | 0 | Always print | 0 | 1 | In case of an error | 1 | 0 | In case of an error | 1 | 1 | 1 | In case of an error | Initial setup |
| | | | | Bit No. | 1 | 2 | | | | | | | | | | | | | | | |
| | | | | Not print | 0 | 0 | | | | | | | | | | | | | | | |
| | | | | Always print | 0 | 1 | | | | | | | | | | | | | | | |
| | | | | In case of an error | 1 | 0 | | | | | | | | | | | | | | | |
| | In case of an error | 1 | 1 | | | | | | | | | | | | | | | | | | |
| | 0 | | | | | | | | | | | | | | | | | | | | |
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| 3,4 | Report output (transmission) <FAX only> | Used to set the communication report table output after transmission (except for sequential broadcast, sequential polling, relay broadcast). <table border="1"><tr><td>Bit No.</td><td>3</td><td>4</td></tr><tr><td>Print inhibited</td><td>0</td><td>0</td></tr><tr><td>All print</td><td>0</td><td>1</td></tr><tr><td>Only when transmission is failed</td><td>1</td><td>0</td></tr><tr><td>Only when transmission is failed</td><td>1</td><td>1</td></tr></table> | Bit No. | 3 | 4 | Print inhibited | 0 | 0 | All print | 0 | 1 | Only when transmission is failed | 1 | 0 | Only when transmission is failed | 1 | 1 | 1 | Only when transmission is failed | Initial setup | |
| | | | Bit No. | 3 | 4 | | | | | | | | | | | | | | | | |
| | | | Print inhibited | 0 | 0 | | | | | | | | | | | | | | | | |
| | | | All print | 0 | 1 | | | | | | | | | | | | | | | | |
| | | | Only when transmission is failed | 1 | 0 | | | | | | | | | | | | | | | | |
| Only when transmission is failed | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
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| 5,6 | Report output (sequential broadcast, sequential polling, relay broadcast) | Used to set the communication report table output after transmission (sequential broadcast, sequential polling, relay broadcast). <table border="1"><tr><td>Bit No.</td><td>5</td><td>6</td></tr><tr><td>Print inhibited</td><td>0</td><td>0</td></tr><tr><td>All print</td><td>0</td><td>1</td></tr><tr><td>Only address to which transmission is failed</td><td>1</td><td>0</td></tr><tr><td>All print</td><td>1</td><td>1</td></tr></table> | Bit No. | 5 | 6 | Print inhibited | 0 | 0 | All print | 0 | 1 | Only address to which transmission is failed | 1 | 0 | All print | 1 | 1 | 0 | All print | Initial setup | |
| | | | Bit No. | 5 | 6 | | | | | | | | | | | | | | | | |
| | | | Print inhibited | 0 | 0 | | | | | | | | | | | | | | | | |
| | | | All print | 0 | 1 | | | | | | | | | | | | | | | | |
| | | | Only address to which transmission is failed | 1 | 0 | | | | | | | | | | | | | | | | |
| All print | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 7,8 | Report output (reception) <FAX only> | Used to set the communication report table output in reception (except for confidential reception). <table border="1"><tr><td>Bit No.</td><td>7</td><td>8</td></tr><tr><td>Print inhibited</td><td>0</td><td>0</td></tr><tr><td>All print</td><td>0</td><td>1</td></tr><tr><td>Only in case of an error</td><td>1</td><td>0</td></tr><tr><td>Print inhibited</td><td>1</td><td>1</td></tr></table> | Bit No. | 7 | 8 | Print inhibited | 0 | 0 | All print | 0 | 1 | Only in case of an error | 1 | 0 | Print inhibited | 1 | 1 | 0 | Print inhibited | Initial setup | |
| | | | Bit No. | 7 | 8 | | | | | | | | | | | | | | | | |
| | | | Print inhibited | 0 | 0 | | | | | | | | | | | | | | | | |
| | | | All print | 0 | 1 | | | | | | | | | | | | | | | | |
| | | | Only in case of an error | 1 | 0 | | | | | | | | | | | | | | | | |
| Print inhibited | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 42 | 1-3 | Not used | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | 4 | F.A.S.T function | Used to set the management function performed in FAX communication through the telephone line. <table border="1"><tr><td>1: YES</td><td>0: NO</td></tr></table> | 1: YES | 0: NO | 0 | NO | | | | | | | | | | | | | | |
| | 1: YES | 0: NO | | | | | | | | | | | | | | | | | | | |
| | 5-7 | Not used | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | 8 | V.34 mode function in manual communication | Used to set Enable/Disable of V.34 mode function in manual communication. When, however, SW43-1 is set to "1:disable," V.34 mode is disabled though this switch is set to "0:enable." <table border="1"><tr><td>1: V.34 mode function disable</td><td>0: V.34 mode function enable</td></tr></table> | 1: V.34 mode function disable | 0: V.34 mode function enable | 0 | Enable | | | | | | | | | | | | | | |
| | 1: V.34 mode function disable | 0: V.34 mode function enable | | | | | | | | | | | | | | | | | | | |
| 43 | 1 | V.34 mode function (When call out and polling) | Used to set Enable/Disable of V.34 mode function in the machine when sending/receiving. <table border="1"><tr><td>1: V.34 mode function disable</td><td>0: V.34 mode function enable</td></tr></table> | 1: V.34 mode function disable | 0: V.34 mode function enable | 0 | Enable | | | | | | | | | | | | | | |
| | | | | 1: V.34 mode function disable | 0: V.34 mode function enable | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 2 | V.34 mode function (when call in) | Used to set whether V.34 mode is enabled in mail receive as a function of the machine. <table border="1"><tr><td>1: OFF</td><td>0: ON</td></tr></table> | 1: OFF | 0: ON | 0 | ON | | | | | | | | | | | | | | | |
| 1: OFF | 0: ON | | | | | | | | | | | | | | | | | | | | |

| SW No. | Bit No. | Item | Switch selection and function | USA | Initial value | Key operator | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--|--|--|---|----------------------------|--------------|------------|--------|------|---|---|---|---|------|---|---|---|---|-----------|---|---|---|---|----------------|---|---|---|---|---------------------|---|---|---|---|--------------------------|---|---|---|---|---|------|--|
| 43 | 3-6 | V.34 Symbol Rate Mask (when receiving) | Used to set Symbol Rate in reception of V.34 mode. When set to other than the below, it is set as the default (0101). <table><tr><td>Bit No.</td><td>3</td><td>4</td><td>5</td><td>6</td></tr><tr><td>2400</td><td>0</td><td>0</td><td>0</td><td>0</td></tr><tr><td>2400</td><td>0</td><td>0</td><td>0</td><td>1</td></tr><tr><td>2800/2400</td><td>0</td><td>0</td><td>1</td><td>0</td></tr><tr><td>3000/2800/2400</td><td>0</td><td>0</td><td>1</td><td>1</td></tr><tr><td>3200/3000/2800/2400</td><td>0</td><td>1</td><td>0</td><td>0</td></tr><tr><td>3429/3200/3000/2800/2400</td><td>0</td><td>1</td><td>0</td><td>1</td></tr></table> | Bit No. | 3 | 4 | 5 | 6 | 2400 | 0 | 0 | 0 | 0 | 2400 | 0 | 0 | 0 | 1 | 2800/2400 | 0 | 0 | 1 | 0 | 3000/2800/2400 | 0 | 0 | 1 | 1 | 3200/3000/2800/2400 | 0 | 1 | 0 | 0 | 3429/3200/3000/2800/2400 | 0 | 1 | 0 | 1 | 0 | 3429 | |
| | | | | Bit No. | 3 | 4 | 5 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 2400 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 2400 | 0 | 0 | 0 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 2800/2400 | 0 | 0 | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 3000/2800/2400 | 0 | 0 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 3200/3000/2800/2400 | 0 | 1 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 3429/3200/3000/2800/2400 | 0 | 1 | 0 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7,8 | Not used | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | 1-4 | V.34 mode transmission speed | Used to set the communication speed (capacity) when transmitting in V.34 mode. The set range is 2400bps - 33600bps in the increment of 2400bps by binary input of N into "2400(bps) x N."When N is set to 0000, it is set to 2400bps. When set to 1111, it is set to 33600bps.When, however, set to 2400bps, SW45-1~6 must be disabled. When set to 33600bps, SW45-7 must be enabled "1". | 1 | 33600bps | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5-8 | V.34 mode reception speed | Used to set the communication speed (capacity) when receiving in V.34 mode. The set range is 2400bps - 33600bps in the increment of 2400bps by binary input of N into "2400(bps) x N."When N is set to 0000, it is set to 2400bps. When set to 1111, it is set to 33600bps.When set to 2400bps, however, SW43-3~6 must be set to 2400: "0000." When set to 33600bps, SW43-3~6 must be set to 3429: "0101." | 1 | 33600bps | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 45 | 1 | 2800 Symbol Rate Mask in V.34 communication | Used to set Enable/Disable of 2800Hz as Symbol Rate of V.34. When set to Disable, 2800Hz is not selected. <table><tr><td>1: Disable</td><td>0: Enable</td></tr></table> | 1: Disable | 0: Enable | 0 | Enable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1: Disable | 0: Enable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | Not used | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | 3000 Symbol Rate Low Carrier setup in V.34 transmission | Used to set Enable/Disable of Low/High carrier when selecting 3000Hz as Symbol Rate of V.34.When this is set to Disable, Low of 3000Hz is not selected. It is valid only in transmission. <table><tr><td>1: Disable</td><td>0: Enable</td></tr></table> | 1: Disable | 0: Enable | 0 | Enable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1: Disable | | 0: Enable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | 3000 Symbol Rate High Carrier setup in V.34 transmission | Used to set Enable/Disable of Low/High carrier when selecting 3000Hz as Symbol Rate of V.34. When this is set to Disable, High of 3000Hz is not selected. It is valid only in transmission.When both of Low/High are set to Disable, Symbol Rate=3000Hz is not selected. <table><tr><td>1: Disable</td><td>0: Enable</td></tr></table> | 1: Disable | 0: Enable | 0 | Enable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1: Disable | | 0: Enable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | 3200 Symbol Rate Low Carrier setup in V.34 mode | Used to set Enable/Disable of Low/High carrier when selecting 3000Hz as Symbol Rate of V.34. When this is set to Disable, Low of 3200Hz is not selected. It is valid only in transmission. <table><tr><td>1: Disable</td><td>0: Enable</td></tr></table> | 1: Disable | 0: Enable | 0 | Enable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1: Disable | | 0: Enable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | 3200 Symbol Rate High Carrier setup in V.34 transmission | Used to set Enable/Disable of Low/High carrier when selecting 3000Hz as Symbol Rate of V.34. When this is set to Disable, High of 3200Hz is not selected. It is valid only in transmission.When both of Low/High are set to Disable, Symbol Rate=3200Hz is not selected. <table><tr><td>1: Disable</td><td>0: Enable</td></tr></table> | 1: Disable | 0: Enable | 0 | Enable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1: Disable | 0: Enable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 3429 Symbol Rate Mask in V.34 transmission | Used to set whether 3429Hz is used as Symbol Rate of V.34 or not. When set to Disable, 3429Hz is not selected. Valid only in transmission. <table><tr><td>1: Disable</td><td>0: Enable</td></tr></table> | 1: Disable | 0: Enable | 0 | Enable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1: Disable | 0: Enable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Not used | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 | 1 | Primary channel return mode setup | Used to set the next state after completion of primary channel phase. <table><tr><td>1: PPh signal send sequence</td><td>0: Sh signal send sequence</td></tr></table> | 1: PPh signal send sequence | 0: Sh signal send sequence | 1 | PPh signal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1: PPh signal send sequence | 0: Sh signal send sequence | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2-6 | Not used | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| SW No. | Bit No. | Item | Switch selection and function | USA | Initial value | Key operator | | | | | | | | | | | | | | | |
|--------|----------|--|---|----------|---------------------------------------|--------------|-------------------------------|---|---|------|---|---|------|---|---|------|---|---|---|------|--|
| 46 | 7,8 | V.8 mode ANSam signal send time | Used to set ANSam signal send time when sending ANSam signal in V.8 mode. <table border="1"><tr><td>Bit No.</td><td>7</td><td>8</td></tr><tr><td>3sec</td><td>0</td><td>0</td></tr><tr><td>4sec</td><td>0</td><td>1</td></tr><tr><td>5sec</td><td>1</td><td>0</td></tr><tr><td>6sec</td><td>1</td><td>1</td></tr></table> | Bit No. | 7 | 8 | 3sec | 0 | 0 | 4sec | 0 | 1 | 5sec | 1 | 0 | 6sec | 1 | 1 | 0 | 4sec | |
| | | | | Bit No. | 7 | 8 | | | | | | | | | | | | | | | |
| | | | | 3sec | 0 | 0 | | | | | | | | | | | | | | | |
| | | | | 4sec | 0 | 1 | | | | | | | | | | | | | | | |
| | | | | 5sec | 1 | 0 | | | | | | | | | | | | | | | |
| | | | | 6sec | 1 | 1 | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 47 | 1-8 | Not used | | 1 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| 48 | 1-8 | Not used | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| 49 | 1-8 | Dial number in tone pulse auto setting | Used to set dial number (2 digits) in auto setting of telephone kind (DP/DTMF). Setting is made by BCD input. The set range is 0 ~ B. When set to outside the set range, the default value of 5 is applied to. | 0 | 55 | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| 50 | 1-6 | Not used | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | 7 | Setup of send/receive complete sound (buzzer length) | Used to set the buzzer length from the speaker made after completion of FAX transmission and reception. Excluding when a communication error occurs. <table border="1"><tr><td>1: 3sec</td><td>0: 1sec</td></tr></table> | 1: 3sec | 0: 1sec | 0 | 1sec | | | | | | | | | | | | | | |
| | | | | 1: 3sec | 0: 1sec | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | |
| 8 | Not used | | 0 | | | | | | | | | | | | | | | | | | |
| 51 | 1 | Voice answering send level to the line | Used to set the voice answering volume to the line. Set to Large or Small with the hardware. <table border="1"><tr><td>1: Small</td><td>0: Large</td></tr></table> | 1: Small | 0: Large | 0 | Large | | | | | | | | | | | | | | |
| | | | | 1: Small | 0: Large | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | 2-7 | Not used | | 1 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | 8 | Line monitor range | Used to set the line monitor range when the line monitor function is used. When set to "Until NSF signal send/receive," monitoring is made until DCS or NSF signal is received. When set to "All," all are monitored until the line is disconnected. <table border="1"><tr><td>1: All</td><td>0: Until sending/receiving NSF signal</td></tr></table> | 1: All | 0: Until sending/receiving NSF signal | 0 | Until NSF signal send/receive | | | | | | | | | | | | | | |
| | 1: All | 0: Until sending/receiving NSF signal | | | | | | | | | | | | | | | | | | | |

| SW No. | Bit No. | Item | Switch selection and function | USA | Initial value | Key operator | | | | | | | | | | | | | | | |
|---------------|--|--|---|---------|---------------|---------------|----------|---|---------------|-------|---|---------------|--------|---|---------------|-------|---|---|----------------|-----------------|---------------|
| 52 | 1,2 | Ringing sound volume | Used to set the ringing sound volume in reception regardless of handset installation. The sound volume is available in the following four levels. <table border="1"><tr><td>Bit No.</td><td>1</td><td>2</td></tr><tr><td>Sound NO</td><td>0</td><td>0</td></tr><tr><td>Small</td><td>0</td><td>1</td></tr><tr><td>Medium</td><td>1</td><td>0</td></tr><tr><td>Large</td><td>1</td><td>1</td></tr></table> | Bit No. | 1 | 2 | Sound NO | 0 | 0 | Small | 0 | 1 | Medium | 1 | 0 | Large | 1 | 1 | 1 | Medium | Initial setup |
| | | | | Bit No. | 1 | 2 | | | | | | | | | | | | | | | |
| | Sound NO | 0 | 0 | | | | | | | | | | | | | | | | | | |
| | Small | 0 | 1 | | | | | | | | | | | | | | | | | | |
| | Medium | 1 | 0 | | | | | | | | | | | | | | | | | | |
| Large | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| 3,4 | Line monitor sound volume setup | Used to set the speaker volume in line monitoring. The volume is available in the following 4 levels. <table border="1"><tr><td>Bit No.</td><td>3</td><td>4</td></tr><tr><td>Sound NO</td><td>0</td><td>0</td></tr><tr><td>Small</td><td>0</td><td>1</td></tr><tr><td>Medium</td><td>1</td><td>0</td></tr><tr><td>Large</td><td>1</td><td>1</td></tr></table> | Bit No. | 3 | 4 | Sound NO | 0 | 0 | Small | 0 | 1 | Medium | 1 | 0 | Large | 1 | 1 | 1 | Medium | Initial setup | |
| | | | Bit No. | 3 | 4 | | | | | | | | | | | | | | | | |
| Sound NO | 0 | 0 | | | | | | | | | | | | | | | | | | | |
| Small | 0 | 1 | | | | | | | | | | | | | | | | | | | |
| Medium | 1 | 0 | | | | | | | | | | | | | | | | | | | |
| Large | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| 5,6 | Speaker volume when on-hook (Speaker volume when DTMF sending) | Used to set the speaker volume when the on-hook button is pressed. The volume is available in the following 3 kinds. <table border="1"><tr><td>Bit No.</td><td>5</td><td>6</td></tr><tr><td>Medium</td><td>0</td><td>0</td></tr><tr><td>Small</td><td>0</td><td>1</td></tr><tr><td>Medium</td><td>1</td><td>0</td></tr><tr><td>Large</td><td>1</td><td>1</td></tr></table> | Bit No. | 5 | 6 | Medium | 0 | 0 | Small | 0 | 1 | Medium | 1 | 0 | Large | 1 | 1 | 1 | Medium | Initial setup | |
| | | | Bit No. | 5 | 6 | | | | | | | | | | | | | | | | |
| Medium | 0 | 0 | | | | | | | | | | | | | | | | | | | |
| Small | 0 | 1 | | | | | | | | | | | | | | | | | | | |
| Medium | 1 | 0 | | | | | | | | | | | | | | | | | | | |
| Large | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| 7,8 | Not used | | 1 | | | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | |
| 53 | 1,2 | Transmission end sound volume | Used to set the volume of transmission end sound from the speaker when FAX transmission is completed. The sound volume is available in the following 4 kinds. <table border="1"><tr><td>Bit No.</td><td>1</td><td>2</td></tr><tr><td>Sound NO</td><td>0</td><td>0</td></tr><tr><td>Small</td><td>0</td><td>1</td></tr><tr><td>Medium</td><td>1</td><td>0</td></tr><tr><td>Large</td><td>1</td><td>1</td></tr></table> | Bit No. | 1 | 2 | Sound NO | 0 | 0 | Small | 0 | 1 | Medium | 1 | 0 | Large | 1 | 1 | 0 | Sound NO | |
| | | | | Bit No. | 1 | 2 | | | | | | | | | | | | | | | |
| | Sound NO | 0 | 0 | | | | | | | | | | | | | | | | | | |
| | Small | 0 | 1 | | | | | | | | | | | | | | | | | | |
| | Medium | 1 | 0 | | | | | | | | | | | | | | | | | | |
| Large | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| 3,4 | Reception end sound volume | Used to set the volume of the FAX reception end sound from the speaker. The volume is available in the following 4 levels. However, "Medium" cannot be selected with the key operation. <table border="1"><tr><td>Bit No.</td><td>3</td><td>4</td></tr><tr><td>Sound NO</td><td>0</td><td>0</td></tr><tr><td>Small</td><td>0</td><td>1</td></tr><tr><td>Medium</td><td>1</td><td>0</td></tr><tr><td>Large</td><td>1</td><td>1</td></tr></table> | Bit No. | 3 | 4 | Sound NO | 0 | 0 | Small | 0 | 1 | Medium | 1 | 0 | Large | 1 | 1 | 0 | Small | Operation setup | |
| | | | Bit No. | 3 | 4 | | | | | | | | | | | | | | | | |
| Sound NO | 0 | 0 | | | | | | | | | | | | | | | | | | | |
| Small | 0 | 1 | | | | | | | | | | | | | | | | | | | |
| Medium | 1 | 0 | | | | | | | | | | | | | | | | | | | |
| Large | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | |
| 5,6 | Communication error end sound volume | Used to set the volume of end sound from the speaker when a Fax communication is failed. The sound volume is available in the following 4 kinds. However, "Medium" cannot be selected with the key operation. <table border="1"><tr><td>Bit No.</td><td>3</td><td>4</td></tr><tr><td>Sound NO</td><td>0</td><td>0</td></tr><tr><td>Small</td><td>0</td><td>1</td></tr><tr><td>Medium</td><td>1</td><td>0</td></tr><tr><td>Large</td><td>1</td><td>1</td></tr></table> | Bit No. | 3 | 4 | Sound NO | 0 | 0 | Small | 0 | 1 | Medium | 1 | 0 | Large | 1 | 1 | 0 | Small | Operation setup | |
| | | | Bit No. | 3 | 4 | | | | | | | | | | | | | | | | |
| Sound NO | 0 | 0 | | | | | | | | | | | | | | | | | | | |
| Small | 0 | 1 | | | | | | | | | | | | | | | | | | | |
| Medium | 1 | 0 | | | | | | | | | | | | | | | | | | | |
| Large | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | |
| 7,8 | Ringing sound volume "Large" setup | Used to set the sound level of "Large" ringing sound (key operation setup) from the speaker. Including volume of Buzzer sounds (communication end sound, communication error sound). <table border="1"><tr><td>Bit No.</td><td>7</td><td>8</td></tr><tr><td>Sound volume4</td><td>0</td><td>0</td></tr><tr><td>Sound volume5</td><td>0</td><td>1</td></tr><tr><td>Sound volume6</td><td>1</td><td>0</td></tr><tr><td>Sound volume7</td><td>1</td><td>1</td></tr></table> | Bit No. | 7 | 8 | Sound volume4 | 0 | 0 | Sound volume5 | 0 | 1 | Sound volume6 | 1 | 0 | Sound volume7 | 1 | 1 | 1 | Sound volume 6 | | |
| | | | Bit No. | 7 | 8 | | | | | | | | | | | | | | | | |
| Sound volume4 | 0 | 0 | | | | | | | | | | | | | | | | | | | |
| Sound volume5 | 0 | 1 | | | | | | | | | | | | | | | | | | | |
| Sound volume6 | 1 | 0 | | | | | | | | | | | | | | | | | | | |
| Sound volume7 | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |

| SW No. | Bit No. | Item | Switch selection and function | USA | Initial value | Key operator | | | | | | | | | | | | | | | |
|---------------|---|---|---|--------------------------|---------------|--------------------------|--------------------------|---|---------------|---------------|---|---------------|---------------|---|---------------|---------------|---|---|----------------|----------------|--|
| 54 | 1,2 | Ringing sound volume "Medium" setup | Used to set the sound level of "Medium" ringing sound (key operation setup) from the speaker. Including volume of Buzzer sounds (communication end sound, communication error sound). <table><tr><td>Bit No.</td><td>1</td><td>2</td></tr><tr><td>Sound volume2</td><td>0</td><td>0</td></tr><tr><td>Sound volume3</td><td>0</td><td>1</td></tr><tr><td>Sound volume4</td><td>1</td><td>0</td></tr><tr><td>Sound volume5</td><td>1</td><td>1</td></tr></table> | Bit No. | 1 | 2 | Sound volume2 | 0 | 0 | Sound volume3 | 0 | 1 | Sound volume4 | 1 | 0 | Sound volume5 | 1 | 1 | 1 | Sound volume 4 | |
| | | | | Bit No. | 1 | 2 | | | | | | | | | | | | | | | |
| | | | | Sound volume2 | 0 | 0 | | | | | | | | | | | | | | | |
| | | | | Sound volume3 | 0 | 1 | | | | | | | | | | | | | | | |
| Sound volume4 | 1 | 0 | | | | | | | | | | | | | | | | | | | |
| Sound volume5 | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 3,4 | Ringing sound volume "Small" setup | Used to set the sound level of "Small" ringing sound (key operation setup) from the speaker. Including volume of Buzzer sounds (communication end sound, communication error sound). <table><tr><td>Bit No.</td><td>3</td><td>4</td></tr><tr><td>Sound volume0 (Sound NO)</td><td>0</td><td>0</td></tr><tr><td>Sound volume1</td><td>0</td><td>1</td></tr><tr><td>Sound volume2</td><td>1</td><td>0</td></tr><tr><td>Sound volume3</td><td>1</td><td>1</td></tr></table> | Bit No. | 3 | 4 | Sound volume0 (Sound NO) | 0 | 0 | Sound volume1 | 0 | 1 | Sound volume2 | 1 | 0 | Sound volume3 | 1 | 1 | 1 | Sound volume 2 | | |
| | | | Bit No. | 3 | 4 | | | | | | | | | | | | | | | | |
| | | | Sound volume0 (Sound NO) | 0 | 0 | | | | | | | | | | | | | | | | |
| | | | Sound volume1 | 0 | 1 | | | | | | | | | | | | | | | | |
| Sound volume2 | 1 | 0 | | | | | | | | | | | | | | | | | | | |
| Sound volume3 | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 5,6 | Line monitor sound volume "Large" setup | Used to set the sound level of "Large" line monitor sound (key operation setup) from the speaker. <table><tr><td>Bit No.</td><td>5</td><td>6</td></tr><tr><td>Sound volume4</td><td>0</td><td>0</td></tr><tr><td>Sound volume5</td><td>0</td><td>1</td></tr><tr><td>Sound volume6</td><td>1</td><td>0</td></tr><tr><td>Sound volume7</td><td>1</td><td>1</td></tr></table> | Bit No. | 5 | 6 | Sound volume4 | 0 | 0 | Sound volume5 | 0 | 1 | Sound volume6 | 1 | 0 | Sound volume7 | 1 | 1 | 1 | Sound volume 6 | | |
| | | | Bit No. | 5 | 6 | | | | | | | | | | | | | | | | |
| | | | Sound volume4 | 0 | 0 | | | | | | | | | | | | | | | | |
| | | | Sound volume5 | 0 | 1 | | | | | | | | | | | | | | | | |
| Sound volume6 | 1 | 0 | | | | | | | | | | | | | | | | | | | |
| Sound volume7 | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 7,8 | Line monitor sound volume "Medium" setup | Used to set the sound level of "Medium" line monitor sound (key operation setup) from the speaker. <table><tr><td>Bit No.</td><td>7</td><td>8</td></tr><tr><td>Sound volume2</td><td>0</td><td>0</td></tr><tr><td>Sound volume3</td><td>0</td><td>1</td></tr><tr><td>Sound volume4</td><td>1</td><td>0</td></tr><tr><td>Sound volume5</td><td>1</td><td>1</td></tr></table> | Bit No. | 7 | 8 | Sound volume2 | 0 | 0 | Sound volume3 | 0 | 1 | Sound volume4 | 1 | 0 | Sound volume5 | 1 | 1 | 1 | Sound volume 4 | | |
| | | | Bit No. | 7 | 8 | | | | | | | | | | | | | | | | |
| | | | Sound volume2 | 0 | 0 | | | | | | | | | | | | | | | | |
| | | | Sound volume3 | 0 | 1 | | | | | | | | | | | | | | | | |
| Sound volume4 | 1 | 0 | | | | | | | | | | | | | | | | | | | |
| Sound volume5 | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 55 | 1,2 | Line monitor sound volume "Small" setup | Used to set the sound level of "Small" line monitor sound (key operation setup) from the speaker. <table><tr><td>Bit No.</td><td>1</td><td>2</td></tr><tr><td>Sound volume0 (Sound NO)</td><td>0</td><td>0</td></tr><tr><td>Sound volume1</td><td>0</td><td>1</td></tr><tr><td>Sound volume2</td><td>1</td><td>0</td></tr><tr><td>Sound volume3</td><td>1</td><td>1</td></tr></table> | Bit No. | 1 | 2 | Sound volume0 (Sound NO) | 0 | 0 | Sound volume1 | 0 | 1 | Sound volume2 | 1 | 0 | Sound volume3 | 1 | 1 | 1 | Sound volume 2 | |
| | | | | Bit No. | 1 | 2 | | | | | | | | | | | | | | | |
| | | | | Sound volume0 (Sound NO) | 0 | 0 | | | | | | | | | | | | | | | |
| | | | | Sound volume1 | 0 | 1 | | | | | | | | | | | | | | | |
| Sound volume2 | 1 | 0 | | | | | | | | | | | | | | | | | | | |
| Sound volume3 | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 3,4 | On-hook speaker sound volume "Large" setup | Used to set the level of "Large" sound volume from the speaker when on-hook. <table><tr><td>Bit No.</td><td>3</td><td>4</td></tr><tr><td>Sound volume4</td><td>0</td><td>0</td></tr><tr><td>Sound volume5</td><td>0</td><td>1</td></tr><tr><td>Sound volume6</td><td>1</td><td>0</td></tr><tr><td>Sound volume7</td><td>1</td><td>1</td></tr></table> | Bit No. | 3 | 4 | Sound volume4 | 0 | 0 | Sound volume5 | 0 | 1 | Sound volume6 | 1 | 0 | Sound volume7 | 1 | 1 | 1 | Sound volume 6 | | |
| | | | Bit No. | 3 | 4 | | | | | | | | | | | | | | | | |
| | | | Sound volume4 | 0 | 0 | | | | | | | | | | | | | | | | |
| | | | Sound volume5 | 0 | 1 | | | | | | | | | | | | | | | | |
| Sound volume6 | 1 | 0 | | | | | | | | | | | | | | | | | | | |
| Sound volume7 | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 5,6 | On-hook speaker sound volume "Medium" setup | Used to set the level of "Medium" sound volume from the speaker when on-hook. <table><tr><td>Bit No.</td><td>5</td><td>6</td></tr><tr><td>Sound volume2</td><td>0</td><td>0</td></tr><tr><td>Sound volume3</td><td>0</td><td>1</td></tr><tr><td>Sound volume4</td><td>1</td><td>0</td></tr><tr><td>Sound volume5</td><td>1</td><td>1</td></tr></table> | Bit No. | 5 | 6 | Sound volume2 | 0 | 0 | Sound volume3 | 0 | 1 | Sound volume4 | 1 | 0 | Sound volume5 | 1 | 1 | 1 | Sound volume 4 | | |
| | | | Bit No. | 5 | 6 | | | | | | | | | | | | | | | | |
| | | | Sound volume2 | 0 | 0 | | | | | | | | | | | | | | | | |
| | | | Sound volume3 | 0 | 1 | | | | | | | | | | | | | | | | |
| Sound volume4 | 1 | 0 | | | | | | | | | | | | | | | | | | | |
| Sound volume5 | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 7,8 | On-hook speaker sound volume "Small" setup | Used to set the level of "Small" sound volume from the speaker when on-hook. <table><tr><td>Bit No.</td><td>7</td><td>8</td></tr><tr><td>Sound volume0 (Sound NO)</td><td>0</td><td>0</td></tr><tr><td>Sound volume1</td><td>0</td><td>1</td></tr><tr><td>Sound volume2</td><td>1</td><td>0</td></tr><tr><td>Sound volume3</td><td>1</td><td>1</td></tr></table> | Bit No. | 7 | 8 | Sound volume0 (Sound NO) | 0 | 0 | Sound volume1 | 0 | 1 | Sound volume2 | 1 | 0 | Sound volume3 | 1 | 1 | 1 | Sound volume 2 | | |
| | | | Bit No. | 7 | 8 | | | | | | | | | | | | | | | | |
| | | | Sound volume0 (Sound NO) | 0 | 0 | | | | | | | | | | | | | | | | |
| | | | Sound volume1 | 0 | 1 | | | | | | | | | | | | | | | | |
| Sound volume2 | 1 | 0 | | | | | | | | | | | | | | | | | | | |
| Sound volume3 | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |

| SW No. | Bit No. | Item | Switch selection and function | USA | Initial value | Key operator | | | | | | | | | | | | |
|-------------------------|---------------------------|--|---|---------------|---------------|--------------|---------------------------|------------|---|-----------------------|---|---|-------------------------|---|---|--------|----|--|
| 56 | 1-7 | Not used | | 0 | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | |
| | 8 | Resend when no response from the other party | Used to set whether recall is made by judging no response of the other party as an error in transmission. No response of the other party is caused when dial is completed and the other party is a telephone. <table><tr><td>1: Not recall</td><td>0: Recall</td></tr></table> | 1: Not recall | 0: Recall | 0 | Recall | | | | | | | | | | | |
| 1: Not recall | 0: Recall | | | | | | | | | | | | | | | | | |
| 57 | 1-4 | Recall interval in busy state | Differs depending on the destination. Used to set the recall interval in a communication error or busy state in sending. The set range is 0 - 15min in the increment of 1min by binary input. When set to 0, the default value of 3min is applied to. | 0 | 3 min | Send setup | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | |
| | 5-8 | Number of times of recall in communication error | Used to set the number of times of recall in communication error in sending. The set range is 0 - 15 times by binary input. When set to 0, the default value of 1 is applied to. The set range differs depending on the destination. | 0 | Once | Send setup | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | |
| 58 | 1-4 | Number of times of recall in busy | Used to set the number of times of recall when the other party's line is busy or the other party does not receive. The set range is 1 - 14 times of 1min by binary input. When 0 is selected, it is set to the default (2 times). The set range differs depending on the destination. | 0 | 2times | Send setup | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | |
| | 5-8 | Recall interval in communication error | Differs depending on the destination. Used to set the recall interval in a communication error in sending busy state in sending. The set range is 0 - 15min in the increment of 1min by binary input. When set to 0, the default value of 3min is applied to. | 0 | 3 min | Send setup | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | |
| 59 | 1 | Not used | | 1 | | | | | | | | | | | | | | |
| | 2 | Recall allow in busy | Used to set whether recall is made or not when the other party is busy or does not receive in transmission. <table><tr><td>1: Recall</td><td>0: Not recall</td></tr></table> | 1: Recall | 0: Not recall | 1 | Recall | Send setup | | | | | | | | | | |
| | 1: Recall | 0: Not recall | | | | | | | | | | | | | | | | |
| | 3 | Recall allow in communication error | Used to set whether recall is made or not when a communication error occurs in transmission. <table><tr><td>1: Recall</td><td>0: Not recall</td></tr></table> | 1: Recall | 0: Not recall | 1 | Recall | Send setup | | | | | | | | | | |
| | 1: Recall | 0: Not recall | | | | | | | | | | | | | | | | |
| | 4 | Lower limit of dial tone ON detection time | Used to set the dial tone and the minimum required time for detection of the dial tone when detecting the dial tone. <table><tr><td>1: 250ms</td><td>0: 500ms</td></tr></table> | 1: 250ms | 0: 500ms | 0 | 500ms | | | | | | | | | | | |
| | 1: 250ms | 0: 500ms | | | | | | | | | | | | | | | | |
| | 5,6 | DP dial pulse number process | Used to set the pulse number when delivering dial pulse. Since the pulse number differs in different countries, change the setup according to necessity. <table><tr><td>Bit No.</td><td>5</td><td>6</td></tr><tr><td>NORMAL (Pulse=DIAL, 10=0)</td><td>0</td><td>0</td></tr><tr><td>EXTEND (Pulse=DIAL+1)</td><td>0</td><td>1</td></tr><tr><td>REVERSE (Pulse=10-DIAL)</td><td>1</td><td>0</td></tr></table> | Bit No. | 5 | 6 | NORMAL (Pulse=DIAL, 10=0) | 0 | 0 | EXTEND (Pulse=DIAL+1) | 0 | 1 | REVERSE (Pulse=10-DIAL) | 1 | 0 | 0 0 | 00 | |
| | Bit No. | 5 | 6 | | | | | | | | | | | | | | | |
| | NORMAL (Pulse=DIAL, 10=0) | 0 | 0 | | | | | | | | | | | | | | | |
| EXTEND (Pulse=DIAL+1) | 0 | 1 | | | | | | | | | | | | | | | | |
| REVERSE (Pulse=10-DIAL) | 1 | 0 | | | | | | | | | | | | | | | | |
| 7,8 | Not used | | 0 0 | | | | | | | | | | | | | | | |
| 60 | 1-8 | Interval from the completion of communication to the next call | Used to set the interval from the completion of communication to the next call. The set range is 1 - 255sec by binary input. When 0 is selected, it is set to the default (10sec). | 0 | 10sec | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | |

| SW No. | Bit No. | Item | Switch selection and function | USA | Initial value | Key operator | | | | | | | | | | | | | | | |
|--------|----------|---|---|--|---------------|------------------|------------------|---|---|-------|---|---|------|---|---|------|---|---|---|--------|---------------|
| 61 | 1-8 | Not used | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| 62 | 1,2 | Dial call wait time | Used to set the wait time for dial call after connection of the line in automatic dial call. <table><tr><td>Bit No.</td><td>1</td><td>2</td></tr><tr><td>3.5sec</td><td>0</td><td>0</td></tr><tr><td>4sec</td><td>0</td><td>1</td></tr><tr><td>5sec</td><td>1</td><td>0</td></tr><tr><td>6sec</td><td>1</td><td>1</td></tr></table> | Bit No. | 1 | 2 | 3.5sec | 0 | 0 | 4sec | 0 | 1 | 5sec | 1 | 0 | 6sec | 1 | 1 | 0 | 3.5sec | |
| | | | | Bit No. | 1 | 2 | | | | | | | | | | | | | | | |
| | | | | 3.5sec | 0 | 0 | | | | | | | | | | | | | | | |
| | | | | 4sec | 0 | 1 | | | | | | | | | | | | | | | |
| | | | | 5sec | 1 | 0 | | | | | | | | | | | | | | | |
| | | | | 6sec | 1 | 1 | | | | | | | | | | | | | | | |
| | 0 | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 3,4 | Not used | | 0 | | | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | |
| 63 | 5,6 | Tone/Pulse default setup (Dial ringing signal setup) | Used to set tone pulse default. <table><tr><td>Bit No.</td><td>5</td><td>6</td></tr><tr><td>10PPS</td><td>0</td><td>0</td></tr><tr><td>20PPS</td><td>0</td><td>1</td></tr><tr><td>TONE</td><td>1</td><td>0</td></tr><tr><td>TONE</td><td>1</td><td>1</td></tr></table> When set to 01 in other than Japan, the default of TONE is applied to. | Bit No. | 5 | 6 | 10PPS | 0 | 0 | 20PPS | 0 | 1 | TONE | 1 | 0 | TONE | 1 | 1 | 1 | TONE | Initial setup |
| | | | | Bit No. | 5 | 6 | | | | | | | | | | | | | | | |
| | | | | 10PPS | 0 | 0 | | | | | | | | | | | | | | | |
| | | | | 20PPS | 0 | 1 | | | | | | | | | | | | | | | |
| | | | | TONE | 1 | 0 | | | | | | | | | | | | | | | |
| | | | | TONE | 1 | 1 | | | | | | | | | | | | | | | |
| | 0 | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 7,8 | Not used | | 0 | | | | | | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | | | | | |
| 64 | 1-4 | Make time (10PPS) setup | Used to set the make time when dialing at 10PPS. The set range is 0 - 15 by binary input of N into "N + 29ms" (29ms - 44ms). | 1 | 40ms | Adjustment value | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| | 5-8 | Break time (10PPS) setup | Used to set the break time when dialing at 10PPS. The set range is 0 - 15 by binary input of N into "N +56ms" (56 - 71ms). | 0 | 60ms | Adjustment value | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | 65 | 1-4 | Minimum pause time (10PPS) setup | Used to set the minimum pause time when dialing at 10PPS. The set range is 0 - 15 by binary input of N into "N x 10ms + 800ms" (800 - 950ms). | 0 | 800ms | Adjustment value | | | | | | | | | | | | | | |
| | | | | | 0 | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| 66 | 1-4 | Reserved | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | 5-8 | DTMF send level (high group) setup | Used to set the DTFM signal send level of high group and low group in the unit of 1dB. | 0 | 3 | Adjustment value | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |

| SW No. | Bit No. | Item | Switch selection and function | USA | Initial value | Key operator | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 67 | 1-4 | DTMF send level (High group-Low group) setup | Used to set the difference between the high level and the lower level of DTFM signal in the unit of 0.5dB. <table><tr><td>Bit No.</td><td>1</td><td>2</td><td>3</td><td>4</td><td>Bit No.</td><td>1</td><td>2</td><td>3</td><td>4</td></tr><tr><td>2.0dB</td><td>0</td><td>0</td><td>0</td><td>0</td><td>-2.0dB</td><td>1</td><td>0</td><td>0</td><td>0</td></tr><tr><td>2.5dB</td><td>0</td><td>0</td><td>0</td><td>1</td><td>-1.5dB</td><td>1</td><td>0</td><td>0</td><td>1</td></tr><tr><td>3.0dB</td><td>0</td><td>0</td><td>1</td><td>0</td><td>-1.0dB</td><td>1</td><td>0</td><td>1</td><td>0</td></tr><tr><td>3.5dB</td><td>0</td><td>0</td><td>1</td><td>1</td><td>-0.5dB</td><td>1</td><td>0</td><td>1</td><td>1</td></tr><tr><td>4.0dB</td><td>0</td><td>1</td><td>0</td><td>0</td><td>0dB</td><td>1</td><td>1</td><td>0</td><td>0</td></tr><tr><td>4.5dB</td><td>0</td><td>1</td><td>0</td><td>1</td><td>0.5dB</td><td>1</td><td>1</td><td>0</td><td>1</td></tr><tr><td>5.0dB</td><td>0</td><td>1</td><td>1</td><td>0</td><td>1.0dB</td><td>1</td><td>1</td><td>1</td><td>0</td></tr><tr><td>5.5dB</td><td>0</td><td>1</td><td>1</td><td>1</td><td>1.5dB</td><td>1</td><td>1</td><td>1</td><td>1</td></tr></table> | Bit No. | 1 | 2 | 3 | 4 | Bit No. | 1 | 2 | 3 | 4 | 2.0dB | 0 | 0 | 0 | 0 | -2.0dB | 1 | 0 | 0 | 0 | 2.5dB | 0 | 0 | 0 | 1 | -1.5dB | 1 | 0 | 0 | 1 | 3.0dB | 0 | 0 | 1 | 0 | -1.0dB | 1 | 0 | 1 | 0 | 3.5dB | 0 | 0 | 1 | 1 | -0.5dB | 1 | 0 | 1 | 1 | 4.0dB | 0 | 1 | 0 | 0 | 0dB | 1 | 1 | 0 | 0 | 4.5dB | 0 | 1 | 0 | 1 | 0.5dB | 1 | 1 | 0 | 1 | 5.0dB | 0 | 1 | 1 | 0 | 1.0dB | 1 | 1 | 1 | 0 | 5.5dB | 0 | 1 | 1 | 1 | 1.5dB | 1 | 1 | 1 | 1 | 0 | 2dB | Adjustment value |
| | | | | Bit No. | 1 | 2 | 3 | 4 | Bit No. | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 2.0dB | 0 | 0 | 0 | 0 | -2.0dB | 1 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 2.5dB | 0 | 0 | 0 | 1 | -1.5dB | 1 | 0 | 0 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 3.0dB | 0 | 0 | 1 | 0 | -1.0dB | 1 | 0 | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 3.5dB | 0 | 0 | 1 | 1 | -0.5dB | 1 | 0 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.0dB | 0 | 1 | 0 | 0 | 0dB | 1 | 1 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.5dB | 0 | 1 | 0 | 1 | 0.5dB | 1 | 1 | 0 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 5.0dB | 0 | 1 | 1 | 0 | 1.0dB | 1 | 1 | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 5.5dB | 0 | 1 | 1 | 1 | 1.5dB | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5-8 | Reserved | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | 1-5 | DTMF signal send time | Used to set the DTFM signal send time when DTFM signal is transmitted. The set range is 0 - 31 by binary input of N into "10ms x N" (70ms - 310ms). If set to outside the set range, it is set to the default (110ms). | 0 | 110ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6-8 | Not used | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69 | 1-8 | DTMF minimum pause time setup | Used to set the minimum pause time between DTMF signals when DTMF signal is transmitted. The set range is 0 - 31 by binary input of N into "10ms x N" (50ms - 255ms). If set to outside the set range, it is set to the default (110ms). | 0 | 120ms | Adjustment value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | 1-4 | Pause time setup (between dialing) | Used to set the pause time of every pause input in dialing. The set range is 0 - 15 by binary input of N into "1sec x N" (1sec - 15sec). When 0 is selected, it is set to the default (2sec). | 0 | 2sec | Initial setup | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Detection of line current when dialing | Used to set whether dialing is made or not after detection of the line current when connecting the line in automatic dialing. When it is set to YES and the line current is not detected, dialing is not made. <table><tr><td>1: NO</td><td>0: YES</td></tr></table> | 1: NO | 0: YES | 1 | NO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1: NO | 0: YES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Dial tone detection | Used to set whether the dial tone is detected or not in automatic dialing. When it is set to YES and the dial tone is not detected, dialing is not made. <table><tr><td>1: YES</td><td>0: NO</td></tr></table> | 1: YES | 0: NO | 1 | YES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1: YES | 0: NO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Dial tone monitoring time | Used to set the judgment time for detection of dial tone. <table><tr><td>1: 17sec</td><td>0: 5sec</td></tr></table> | 1: 17sec | 0: 5sec | 0 | 5sec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1: 17sec | 0: 5sec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | FAX calling CNG detection | Used to set whether CNG from the other party is detected or not when FAX calling. When it is set to YES and CNG is detected, the line is judged as busy. <table><tr><td>1: CNG detection YES</td><td>0: CNG detection NO</td></tr></table> | 1: CNG detection YES | 0: CNG detection NO | 0 | Not detected | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1: CNG detection YES | 0: CNG detection NO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| SW No. | Bit No. | Item | Switch selection and function | USA | Initial value | Key operator | | | | | | | | | | | | | | | |
|---|---|--|--|---------------------------|---------------|--------------|--------------------------------------|---|--------|-----------------------------------|---|--------|---------------|---|---------|---|---|---|----------|---------------|--|
| 71 | 1,2 | Frequency range setup for detection of DT/BT | Used to set the frequency range for detection of dial tone and busy tone. When dial tone or busy tone is erroneously detected, change the setting. <table border="1"><thead><tr><th>Bit No.</th><th>4</th><th>5</th></tr></thead><tbody><tr><td>245Hz ~ 650Hz (North America, CTR21)</td><td>1</td><td>1</td></tr><tr><td>360Hz ~ 440Hz (Australia, German)</td><td>1</td><td>0</td></tr><tr><td>420Hz ~ 680Hz</td><td>0</td><td>1</td></tr><tr><td>Modem fixed (Japan, UK, France, Sweden)</td><td>0</td><td>0</td></tr></tbody></table> <p>() : Theoretically proper area</p> | Bit No. | 4 | 5 | 245Hz ~ 650Hz (North America, CTR21) | 1 | 1 | 360Hz ~ 440Hz (Australia, German) | 1 | 0 | 420Hz ~ 680Hz | 0 | 1 | Modem fixed (Japan, UK, France, Sweden) | 0 | 0 | 1 | 245Hz ~ 650Hz | |
| | | | | Bit No. | 4 | 5 | | | | | | | | | | | | | | | |
| 245Hz ~ 650Hz (North America, CTR21) | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 360Hz ~ 440Hz (Australia, German) | 1 | 0 | | | | | | | | | | | | | | | | | | | |
| 420Hz ~ 680Hz | 0 | 1 | | | | | | | | | | | | | | | | | | | |
| Modem fixed (Japan, UK, France, Sweden) | 0 | 0 | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | |
| 3 | Busy tone detection | Used to set whether the busy tone signal is detected or not during automatic dialing or ringing of pseudo-call of an external telephone. <table border="1"><tr><td>1: Busy tone is not detected.</td><td>0: Busy tone is detected.</td></tr></table> | 1: Busy tone is not detected. | 0: Busy tone is detected. | 0 | Detected | | | | | | | | | | | | | | | |
| 1: Busy tone is not detected. | 0: Busy tone is detected. | | | | | | | | | | | | | | | | | | | | |
| 4,5 | Busy tone detection cycle | Used to set the number of pulses for judgment of busy tone signal detection. <table border="1"><thead><tr><th>Bit No.</th><th>4</th><th>5</th></tr></thead><tbody><tr><td>2Pulse</td><td>0</td><td>0</td></tr><tr><td>4Pulse</td><td>0</td><td>1</td></tr><tr><td>6Pulse</td><td>1</td><td>0</td></tr><tr><td>10Pulse</td><td>1</td><td>1</td></tr></tbody></table> | Bit No. | 4 | 5 | 2Pulse | 0 | 0 | 4Pulse | 0 | 1 | 6Pulse | 1 | 0 | 10Pulse | 1 | 1 | 0 | 2 pulses | | |
| | | | Bit No. | 4 | 5 | | | | | | | | | | | | | | | | |
| 2Pulse | 0 | 0 | | | | | | | | | | | | | | | | | | | |
| 4Pulse | 0 | 1 | | | | | | | | | | | | | | | | | | | |
| 6Pulse | 1 | 0 | | | | | | | | | | | | | | | | | | | |
| 10Pulse | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| 6,7 | DT/BT detection level | Used to set the minimum detection level for judgment of dial tone and busy tone detection. If a signal level is lower than this setup, it is ignored. <table border="1"><thead><tr><th>Bit No.</th><th>6</th><th>7</th></tr></thead><tbody><tr><td>-43dB</td><td>0</td><td>0</td></tr><tr><td>-35dB</td><td>0</td><td>1</td></tr><tr><td>-33dB</td><td>1</td><td>0</td></tr><tr><td>-30dB</td><td>1</td><td>1</td></tr></tbody></table> | Bit No. | 6 | 7 | -43dB | 0 | 0 | -35dB | 0 | 1 | -33dB | 1 | 0 | -30dB | 1 | 1 | 0 | -43dB | | |
| | | | Bit No. | 6 | 7 | | | | | | | | | | | | | | | | |
| -43dB | 0 | 0 | | | | | | | | | | | | | | | | | | | |
| -35dB | 0 | 1 | | | | | | | | | | | | | | | | | | | |
| -33dB | 1 | 0 | | | | | | | | | | | | | | | | | | | |
| -30dB | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| 8 | None-detection time of busy tone OFF | Used to set none-detection time of busy tone OFF. Change the setup when busy tone ON section is abnormal due to noises. <table border="1"><tr><td>1: 300ms</td><td>0: 100ms</td></tr></table> | 1: 300ms | 0: 100ms | 0 | 100ms | | | | | | | | | | | | | | | |
| 1: 300ms | 0: 100ms | | | | | | | | | | | | | | | | | | | | |
| 72 | 1,2 | Lower limit of busy tone detection time (ON time) | Used to set the lower limit of detection time (ON time) of busy tone signal frequency. To count a busy tone signal as 1 pulse, it must be detected for more than the set time. <table border="1"><thead><tr><th>Bit No.</th><th>1</th><th>2</th></tr></thead><tbody><tr><td>250ms</td><td>0</td><td>0</td></tr><tr><td>150ms</td><td>0</td><td>1</td></tr><tr><td>450ms</td><td>1</td><td>0</td></tr><tr><td>350ms</td><td>1</td><td>1</td></tr></tbody></table> <p>For CTR21, 150ms.</p> | Bit No. | 1 | 2 | 250ms | 0 | 0 | 150ms | 0 | 1 | 450ms | 1 | 0 | 350ms | 1 | 1 | 0 | 250ms | |
| | | | | Bit No. | 1 | 2 | | | | | | | | | | | | | | | |
| 250ms | 0 | 0 | | | | | | | | | | | | | | | | | | | |
| 150ms | 0 | 1 | | | | | | | | | | | | | | | | | | | |
| 450ms | 1 | 0 | | | | | | | | | | | | | | | | | | | |
| 350ms | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| 3,4 | Upper limit of busy tone detection time (ON time) | Used to set the upper limit of detection time (ON time) of busy tone signal frequency. To count a busy tone signal as 1 pulse, it must be detected for less than the set time. <table border="1"><thead><tr><th>Bit No.</th><th>3</th><th>4</th></tr></thead><tbody><tr><td>750ms</td><td>0</td><td>0</td></tr><tr><td>650ms</td><td>0</td><td>1</td></tr><tr><td>1000ms</td><td>1</td><td>0</td></tr><tr><td>2850ms</td><td>1</td><td>1</td></tr></tbody></table> | Bit No. | 3 | 4 | 750ms | 0 | 0 | 650ms | 0 | 1 | 1000ms | 1 | 0 | 2850ms | 1 | 1 | 0 | 750ms | | |
| | | | Bit No. | 3 | 4 | | | | | | | | | | | | | | | | |
| 750ms | 0 | 0 | | | | | | | | | | | | | | | | | | | |
| 650ms | 0 | 1 | | | | | | | | | | | | | | | | | | | |
| 1000ms | 1 | 0 | | | | | | | | | | | | | | | | | | | |
| 2850ms | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| 5,6 | Lower limit of busy tone OFF detection time | Used to set the upper limit of ON time when detecting the busy tone signal frequency. If the busy tone signal is detected over this setup, it is not counted as one pulse. <table border="1"><thead><tr><th>Bit No.</th><th>5</th><th>6</th></tr></thead><tbody><tr><td>250ms</td><td>0</td><td>0</td></tr><tr><td>150ms</td><td>0</td><td>1</td></tr><tr><td>450ms</td><td>1</td><td>0</td></tr><tr><td>350ms</td><td>1</td><td>1</td></tr></tbody></table> | Bit No. | 5 | 6 | 250ms | 0 | 0 | 150ms | 0 | 1 | 450ms | 1 | 0 | 350ms | 1 | 1 | 0 | 250ms | | |
| | | | Bit No. | 5 | 6 | | | | | | | | | | | | | | | | |
| 250ms | 0 | 0 | | | | | | | | | | | | | | | | | | | |
| 150ms | 0 | 1 | | | | | | | | | | | | | | | | | | | |
| 450ms | 1 | 0 | | | | | | | | | | | | | | | | | | | |
| 350ms | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |

| SW No. | Bit No. | Item | Switch selection and function | USA | Initial value | Key operator | | | | | | | | | | | | | | | |
|--------|---------|---|--|---------|---------------|--------------|-------|---|---|-------|---|---|--------|---|---|--------|---|---|---|-------|--|
| 72 | 7,8 | Upper limit of busy tone OFF detection time | Used to set the upper limit of OFF time when detecting the busy tone signal frequency. If the busy tone signal is detected over this setup, it is not counted as one pulse. <table border="1"><thead><tr><th>Bit No.</th><th>7</th><th>8</th></tr></thead><tbody><tr><td>750ms</td><td>0</td><td>0</td></tr><tr><td>650ms</td><td>0</td><td>1</td></tr><tr><td>1000ms</td><td>1</td><td>0</td></tr><tr><td>2850ms</td><td>1</td><td>1</td></tr></tbody></table> | Bit No. | 7 | 8 | 750ms | 0 | 0 | 650ms | 0 | 1 | 1000ms | 1 | 0 | 2850ms | 1 | 1 | 0 | 750ms | |
| | | | | Bit No. | 7 | 8 | | | | | | | | | | | | | | | |
| | | | | 750ms | 0 | 0 | | | | | | | | | | | | | | | |
| | | | | 650ms | 0 | 1 | | | | | | | | | | | | | | | |
| | | | | 1000ms | 1 | 0 | | | | | | | | | | | | | | | |
| 2850ms | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 73 | 1-8 | Not used | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| 74 | 1-8 | Not used | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| 75 | 1-4 | Lower limit of call signal ON time | Used to set the lower limit of ON time for detection of pulses (number of times) of call signal (CI). When CI signal ON is detected for more than the set time, it is counted as 1 pulse. The lower limit of ON time can be set in the range of 150 - 300ms by binary input of N (0 - 15) into "N x 10 + 150ms." This switch substitutes for the sine wave of CI detection. | 0 | 150ms | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | 5-8 | Upper limit of call signal ON time | Used to set the upper limit of ON time for detection of pulses (number of times) of call signal (CI). When CI signal ON is detected for less than the set time, it is counted as 1 pulse. The upper limit of ON time can be set in the range of 3000 - 4500ms by binary input of N (0 - 15) into "N x 100 + 3000ms." | 0 | 3000ms | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| 76 | 1-4 | Lower limit of call signal OFF time | Used to set the lower limit of call signal (CI) OFF time for detection of pulses (number of times). When a CI signal OFF is detected for mote than the set OFF time, it is judged as 1 pulse. The lower limit of OFF time can be set in the range of 0 - 150ms by binary input of N (0 - 15) into "N x 100ms." | 0 | 700ms | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| | 5,6 | Upper limit of call signal OFF time | Used to set the upper limit of wait time from pulse (number of times) detection of a call signal (CI) to the next CI signal pulse. When the next CI signal pulse is not detected within the set range, the number of calls until then is cleared. <table border="1"><thead><tr><th>Bit No.</th><th>5</th><th>6</th></tr></thead><tbody><tr><td>5sec</td><td>0</td><td>0</td></tr><tr><td>10sec</td><td>0</td><td>1</td></tr><tr><td>15sec</td><td>1</td><td>0</td></tr><tr><td>20sec</td><td>1</td><td>1</td></tr></tbody></table> | Bit No. | 5 | 6 | 5sec | 0 | 0 | 10sec | 0 | 1 | 15sec | 1 | 0 | 20sec | 1 | 1 | 0 | 5sec | |
| | | | | Bit No. | 5 | 6 | | | | | | | | | | | | | | | |
| | | | | 5sec | 0 | 0 | | | | | | | | | | | | | | | |
| | | | | 10sec | 0 | 1 | | | | | | | | | | | | | | | |
| 15sec | 1 | 0 | | | | | | | | | | | | | | | | | | | |
| 20sec | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | 7,8 | Not used | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| 77 | 1-4 | Call signal OFF non-detection time | Used to set the time to ignore OFF signal and regard as ON time continuing after detection of call signal (CI) ON. This is to process PBX call signal (Ring, Ring) as one call signal. The set range is 0 - 150ms in the increment of 100ms by binary input. | 0 | 600ms | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |

| SW No. | Bit No. | Item | Switch selection and function | USA | Initial value | Key operator | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|----------|------------------|---|-----------------|---------------|--------------|---|---|-----|---|---|---|---|----------|---|---|---|---|-----------|---|---|---|---|-----------|---|---|---|---|-----------|---|---|---|---|-----------|---|---|---|---|-----------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|---|-----|---------------|
| 77 | 5-8 | Distinctive ring | Used to set whether FAX call-in is made by distinctive ring or not. When CI signal of other pattern than the set pattern is detected, auto call-in is not made. <table border="1"><thead><tr><th>Bit No.</th><th>5</th><th>6</th><th>7</th><th>8</th></tr></thead><tbody><tr><td>OFF</td><td>0</td><td>0</td><td>0</td><td>0</td></tr><tr><td>STANDARD</td><td>0</td><td>0</td><td>0</td><td>1</td></tr><tr><td>Pattern 1</td><td>1</td><td>0</td><td>0</td><td>0</td></tr><tr><td>Pattern 2</td><td>0</td><td>1</td><td>0</td><td>0</td></tr><tr><td>Pattern 3</td><td>1</td><td>1</td><td>0</td><td>0</td></tr><tr><td>Pattern 4</td><td>0</td><td>0</td><td>1</td><td>0</td></tr><tr><td>Pattern 5</td><td>1</td><td>0</td><td>1</td><td>0</td></tr><tr><td>ON (Australia)</td><td>0</td><td>1</td><td>1</td><td>0</td></tr><tr><td>ON (Newzealand)</td><td>1</td><td>1</td><td>1</td><td>0</td></tr></tbody></table> | Bit No. | 5 | 6 | 7 | 8 | OFF | 0 | 0 | 0 | 0 | STANDARD | 0 | 0 | 0 | 1 | Pattern 1 | 1 | 0 | 0 | 0 | Pattern 2 | 0 | 1 | 0 | 0 | Pattern 3 | 1 | 1 | 0 | 0 | Pattern 4 | 0 | 0 | 1 | 0 | Pattern 5 | 1 | 0 | 1 | 0 | ON (Australia) | 0 | 1 | 1 | 0 | ON (Newzealand) | 1 | 1 | 1 | 0 | 0 | OFF | Initial setup |
| | | | | Bit No. | 5 | 6 | 7 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | OFF | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | STANDARD | 0 | 0 | 0 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Pattern 1 | 1 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Pattern 2 | 0 | 1 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Pattern 3 | 1 | 1 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Pattern 4 | 0 | 0 | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Pattern 5 | 1 | 0 | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | ON (Australia) | 0 | 1 | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | ON (Newzealand) | 1 | 1 | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | 1-8 | Not used | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | 1-8 | Not used | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | 1-8 | Not used | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| From 81 To 100 | Not used | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| SW No. | Bit No. | Item | Switch selection and function | USA | Initial value | Key operator | | | | | | | | | | | | | | | |
|--------------------------------------|--|--|---|-----------------------------------|------------------------------|-------------------------------|-------------|---|-----|------|---|----|-----|---|----|-----|---|---|----|-----|--|
| 101 | 1 | Setup of text print in mail receive without attached file | Used to set whether the mail text is printed or not when the received mail has no attached file. <table><tr><td>1: Mail text is printed.</td><td>0: Mail text is not printed.</td></tr></table> | 1: Mail text is printed. | 0: Mail text is not printed. | 0 | Not print | | | | | | | | | | | | | | |
| | 1: Mail text is printed. | 0: Mail text is not printed. | | | | | | | | | | | | | | | | | | | |
| | 2-5 | Not used | | 1 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| 6 | Used to set the serve check (MDN) function. <in iFAX send> | Used to set whether the MDN request field is added to the mail field or not in iFAX mail send. <table><tr><td>1: Not request</td><td>0: Request</td></tr></table> | 1: Not request | 0: Request | 1 | Not request | | | | | | | | | | | | | | | |
| 1: Not request | 0: Request | | | | | | | | | | | | | | | | | | | | |
| 7 | Not used | | 0 | | | | | | | | | | | | | | | | | | |
| 8 | Mail receive process (When Content-X-CJAWNETFAX field is not received.) | Used to set whether the mail text is printed or not when "Content-X-CJAWNETFAX" is not included in the mail field in iFAX mail send. However, serve check respond mails are excluded. <table><tr><td>1: Mail text is printed.</td><td>0: Mail text is not printed.</td></tr></table> | 1: Mail text is printed. | 0: Mail text is not printed. | 0 | Not print | | | | | | | | | | | | | | | |
| | | | 1: Mail text is printed. | 0: Mail text is not printed. | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 102 | 1,2 | Not used | | 1 | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| | 3 | iFAX resolution type | Used to set the scan resolution type in iFAX send. <table><tr><td>1: Metric (mm) series</td><td>0: Inch series</td></tr></table> | 1: Metric (mm) series | 0: Inch series | 0 | Inch series | | | | | | | | | | | | | | |
| | 1: Metric (mm) series | 0: Inch series | | | | | | | | | | | | | | | | | | | |
| | 4-6 | Not used | | 1 | | | | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | | | | | |
| | 7 | Content-X-CJAWNETFAX field addition (In iFAX send) | Used to set whether "Content-X-CJ"WNETFAX" is added to the mail field or not in iFAX send. By adding this field, printing of the mail text on the iFAX receive side can be inhibited. (However, this function is valid only when the iFAX receive side supports this field.) <table><tr><td>1: IGNORE is added</td><td>0: The field is not added</td></tr></table> | 1: IGNORE is added | 0: The field is not added | 0 | Not added | | | | | | | | | | | | | | |
| 1: IGNORE is added | 0: The field is not added | | | | | | | | | | | | | | | | | | | | |
| 8 | Not used | | 0 | | | | | | | | | | | | | | | | | | |
| 103 | 1,2 | Standard file format setting (Compression type) (Default) | Used to set the default of the coding system in E-mail/FTP send. <table><tr><td>Bit No.</td><td>1</td><td>2</td></tr><tr><td>NONE</td><td>0</td><td>0</td></tr><tr><td>MMR</td><td>0</td><td>1</td></tr><tr><td>MMR</td><td>1</td><td>0</td></tr><tr><td>MH</td><td>1</td><td>1</td></tr></table> | Bit No. | 1 | 2 | NONE | 0 | 0 | MMR | 0 | 1 | MMR | 1 | 0 | MH | 1 | 1 | 0 | MMR | |
| | | | | Bit No. | 1 | 2 | | | | | | | | | | | | | | | |
| | NONE | 0 | 0 | | | | | | | | | | | | | | | | | | |
| | MMR | 0 | 1 | | | | | | | | | | | | | | | | | | |
| | MMR | 1 | 0 | | | | | | | | | | | | | | | | | | |
| | MH | 1 | 1 | | | | | | | | | | | | | | | | | | |
| | 1 | | | | | | | | | | | | | | | | | | | | |
| | 3,4 | Standard file format setting (File type) (Default) | Used to set the default of the file format in E-mail/FTP send. <table><tr><td>Bit No.</td><td>1</td><td>2</td></tr><tr><td>PDF</td><td>0</td><td>0</td></tr><tr><td>TIFF</td><td>0</td><td>1</td></tr><tr><td>PDF</td><td>1</td><td>0</td></tr><tr><td>PDF</td><td>1</td><td>1</td></tr></table> | Bit No. | 1 | 2 | PDF | 0 | 0 | TIFF | 0 | 1 | PDF | 1 | 0 | PDF | 1 | 1 | 0 | PDF | |
| Bit No. | | | | 1 | 2 | | | | | | | | | | | | | | | | |
| PDF | 0 | 0 | | | | | | | | | | | | | | | | | | | |
| TIFF | 0 | 1 | | | | | | | | | | | | | | | | | | | |
| PDF | 1 | 0 | | | | | | | | | | | | | | | | | | | |
| PDF | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | |
| 5,6 | File compression type in broadcast (Including the remote side in Scan to E-mail) | Used to set the file compression type in broadcast including the remote side of Scan to E-mail. <table><tr><td>Bit No.</td><td>1</td><td>2</td></tr><tr><td>MH</td><td>0</td><td>0</td></tr><tr><td>MMR</td><td>0</td><td>1</td></tr><tr><td>MR</td><td>1</td><td>0</td></tr><tr><td>MH</td><td>1</td><td>1</td></tr></table> | Bit No. | 1 | 2 | MH | 0 | 0 | MMR | 0 | 1 | MR | 1 | 0 | MH | 1 | 1 | 1 | MH | | |
| | | | Bit No. | 1 | 2 | | | | | | | | | | | | | | | | |
| MH | 0 | 0 | | | | | | | | | | | | | | | | | | | |
| MMR | 0 | 1 | | | | | | | | | | | | | | | | | | | |
| MR | 1 | 0 | | | | | | | | | | | | | | | | | | | |
| MH | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | |
| 7 | Nighttime FAX mode setting <When iFAX receive setting is not made> | Used to set whether the minimum low power consumption mode is set or not when the right power switch is turned off. However, this function is valid only when iFAX receive setting is not made. <table><tr><td>1: Not enter the nighttime FAX mode.</td><td>0: Enters the nighttime FAX mode.</td></tr></table> | 1: Not enter the nighttime FAX mode. | 0: Enters the nighttime FAX mode. | 0 | Enters the nighttime FAX mode | | | | | | | | | | | | | | | |
| 1: Not enter the nighttime FAX mode. | 0: Enters the nighttime FAX mode. | | | | | | | | | | | | | | | | | | | | |
| 8 | Display setting in NW trouble (CE-00, CE-01) | Used to set whether the operation panel is displayed or not when a network trouble occurs in NIS card installation. <table><tr><td>1: Trouble display is not made.</td><td>0: Trouble display is made.</td></tr></table> | 1: Trouble display is not made. | 0: Trouble display is made. | 0 | Trouble display | | | | | | | | | | | | | | | |
| 1: Trouble display is not made. | 0: Trouble display is made. | | | | | | | | | | | | | | | | | | | | |

| SW No. | Bit No. | Item | Switch selection and function | USA | Initial value | Key operator | | | | | | | | | | | |
|---|---|---|---|---|---|--------------|-----------------------------------|--|--|--------------------------------|---|-----------------|---------------|---|---|-----------------------|-----------------------|
| 104 | 1 | Pseudo-nighttime mode setting <When iFAX receive setting is made> | Used to set whether the minimum low power consumption mode is set or not when the right power switch is turned off. However, this function is valid only when iFAX receive setting is made. <table><tr><td>1: Not enter the pseudo-nighttime mode. (Enters the nighttime mode.)</td><td>0: Enters the pseudo-nighttime mode. (Not enter the nighttime mode.)</td></tr></table> | 1: Not enter the pseudo-nighttime mode. (Enters the nighttime mode.) | 0: Enters the pseudo-nighttime mode. (Not enter the nighttime mode.) | 0 | Enters the pseudo-nighttime mode. | | | | | | | | | | |
| | 1: Not enter the pseudo-nighttime mode. (Enters the nighttime mode.) | 0: Enters the pseudo-nighttime mode. (Not enter the nighttime mode.) | | | | | | | | | | | | | | | |
| | 2-8 | Not used | | 0 | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | |
| 105 | 1-8 | Not used | | 0 | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | |
| 106 | 1-4 | The number of resend in iFAX communication error (Setting in NG in serve check request respond) | Used to set the number of resend in NG of serve check respond in iFAX send with serve check request. The setting range is 0 - 15 times by binary input. When set to "0," no resend is made. | 0 | Twice | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | |
| | 5 | iFAX date, sender's name print language select <Format> | Used to set the date and sender's name format in iFAX send. <table><tr><td>1: North America format</td><td>0: Follows the date format.</td></tr></table> | 1: North America format | 0: Follows the date format. | 0 | Follows the date format. | | | | | | | | | | |
| | 1: North America format | 0: Follows the date format. | | | | | | | | | | | | | | | |
| | 6-8 | Not used | | 0 | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | | | | |
| | 107 | 1,2 | iFAX paper exit tray setting | Used to set the paper exit tray of iFAX receive data. (When the finisher is installed.) <table><tr><td></td><td>Bit No.</td><td></td><td></td></tr><tr><td>With finisher installed + auto</td><td>1</td><td>1:Finisher tray</td><td>0:Center tray</td></tr><tr><td>With finisher installed + manual offset</td><td>2</td><td>1:Finisher lower tray</td><td>0:Finisher upper tray</td></tr></table> | | Bit No. | | | | With finisher installed + auto | 1 | 1:Finisher tray | 0:Center tray | With finisher installed + manual offset | 2 | 1:Finisher lower tray | 0:Finisher upper tray |
| | | Bit No. | | | | | | | | | | | | | | | |
| With finisher installed + auto | | 1 | 1:Finisher tray | 0:Center tray | | | | | | | | | | | | | |
| With finisher installed + manual offset | | 2 | 1:Finisher lower tray | 0:Finisher upper tray | | | | | | | | | | | | | |
| | | | 0 | | | | | | | | | | | | | | |
| | 3-5 | Not used | | 0 | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | |
| | | | | 0 | | | | | | | | | | | | | |
| | 6 | Report output (receive reject) <iFAX only> | Used to set whether the communication report is outputted or not in "Receive reject" of iFAX receive. However, this function is valid only when the report output (in iFAX receive) is set to "Not print." <table><tr><td>1: Output</td><td>0: Not output</td></tr></table> | 1: Output | 0: Not output | 0 | Not output | | | | | | | | | | |
| 1: Output | 0: Not output | | | | | | | | | | | | | | | | |
| | 7 | Not used | | 0 | | | | | | | | | | | | | |
| | 8 | Switch from the image send display to the copy display | Used to set whether the image send display is switched to the copy display or not. <table><tr><td>1: Switch</td><td>0: Not switch</td></tr></table> | 1: Switch | 0: Not switch | 1 | Switch | | | | | | | | | | |
| 1: Switch | 0: Not switch | | | | | | | | | | | | | | | | |

| SW No. | Bit No. | Item | Switch selection and function | USA | Initial value | Key operator |
|-----------------|---------|---|---|-----|---------------|--------------|
| 108 | 1-8 | Not used | | 0 | | |
| | | | | 0 | | |
| | | | | 0 | | |
| | | | | 0 | | |
| | | | | 0 | | |
| | | | | 0 | | |
| | | | | 0 | | |
| | | | | 1 | | |
| 109 | 1-8 | Not used | | 0 | | |
| | | | | 0 | | |
| | | | | 0 | | |
| | | | | 0 | | |
| | | | | 0 | | |
| | | | | 0 | | |
| | | | | 0 | | |
| | | | | 0 | | |
| 110 | 1-8 | Not used | | 0 | | |
| | | | | 0 | | |
| | | | | 0 | | |
| | | | | 0 | | |
| | | | | 0 | | |
| | | | | 0 | | |
| | | | | 0 | | |
| | | | | 0 | | |
| 111 | 1-3 | Setting of the number of re-backup in FTP back-up | Used to set the number of resend when an error occurs with the FTGP server which was set in FTP backup of iFAX receive data. The set range is 0 - 7 times by binary input. When set to "0," re-backup is not performed. | 0 | 3 times | |
| | | | | 1 | | |
| | | | | 1 | | |
| | 4-8 | Not used | | 0 | | |
| | | | | 0 | | |
| | | | | 0 | | |
| | | | | 0 | | |
| | | | | 0 | | |
| From 112 To 120 | | Not used | | 0 | | |
| | | | | 1 | | |
| | | | | 1 | | |
| | | | | 0 | | |
| | | | | 0 | | |
| | | | | 0 | | |
| | | | | 0 | | |
| | | | | 0 | | |

[7] MACHINE OPERATION

1. Key operator program

| KEY OPERATOR PROGRAM | | | Set value(Default) | Remark |
|----------------------|--|--------------------------------|---|--------|
| | | | Engine section LCD | |
| Operation settings | Default display setting | | [ADDRESS BOOK] (ABC)/ [ADDRESS BOOK] (Group)/[FAX] (when the network scanner option is installed) [E-MAIL/FTP]/[INTERNET-FAX] SWITCH AUTOMATICALLY TO COPY MODE SCREEN | |
| | The number of direct address keys displayed setting | | 6*/8/12 | |
| | Must input next address key at broadcast setting | | omit*/not omit | |
| | The number of file name/subject keys displayed setting | | 3/6 | |
| | Initial resolution setting | | standard*/fine/fine(half tone)/super fine/ super fine(half tone)/ultra fine/ ultra fine(half tone) | |
| | Scan complete sound setting | | Low*/High | |
| | Default exposure settings | | Auto*/Manual | |
| Fax default settings | Fax own number and name set | | | |
| | Dial mode setting | | Tone*/Pulse | |
| | Auto wake up print | | Enable*/ Disable | |
| | Pause time setting | | 1,2* ~ 15sec | |
| | Speake volume settings | Speaker | Low/Medium*/High | |
| | | Ringer volume | Low/Medium*/High /Off | |
| | | Line monitor | Low/Medium*/High /Off | |
| | | Fax receive | Low/Medium*/High /Off | |
| | | Fax comm error | Low/Medium*/High /Off | |
| | Original print on transaction report | | Enable*/ Disable / Print out error report only | |
| | Remote reception number setting | | 0 ~ 5* ~ 9 | |
| | Transaction report print select setting | Single sending | Print out all report/Print out error report only/ No printed report | |
| | | Broadcasting | Print out all report*/Print out error report only/ No printed report | |
| | | Receiving | Print out all report/Print out error report only/ No printed report* | |
| | | Confidential reception | Print out notice page*/Not print out notice page | |
| | Activity report print select setting | Auto print at memory full | Yes/No* | |
| | | Print daily at designated time | Yes (hour/minute)/No* | |
| | ECM*1 | | Enable/ Disable* | |
| | Distinctive ring detection | | Pattern1 ~ 5/OFF* | |
| Fax send settings | Auto reduction sending setting | | Enable*/ Disable | |
| | Rotation sending setting | | Enable*/ Disable | |
| | Printing page number at receiver | | Enable*/ Disable | |
| | Call timer at memory sending | | 30/45*/60sec | |
| | Date/own number print position setting | | Outside the original image*/Inside the original image | |
| | Recall in case of line busy | | Enable*/ Disable | |
| | Recall in case of communication error | | Enable*/ Disable | |
| | Quick on line sending | | Enable*/ Disable | |

*1 This setting is only effective if the other machine is a G3 machine that supports ECM.

*2 Only when the duplex module is installed.

*3 The trays that can be selected will vary depending on what peripheral devices have been installed.

| KEY OPERATOR PROGRAM | | | Set value(Default) | Remark |
|----------------------|--|--|--|--------|
| | | | Engine section LCD | |
| Fax receive settings | Auto receive reduce setting | | Enable*/ Disable | |
| | Number of calls in auto reception | | 0, 1, 2* ~ 15 | |
| | Duplex reception setting*2 | | Enable/ Disable* | |
| | Print style setting | | Print actual size cut off disable/ Print actual size cut off enable/Auto size select* | |
| | Set the telephone number for data forwarding | | | |
| | Fax output tray setting*3 | | | |
| | Anti junk fax setting | | Enable/Disable* | |
| Fax polling security | Fax polling security | | Allowed/Not allowed* | |
| | Passcode number setting | | | |
| | Set number of times public box may be polled | | Automatically clear*/Not clear | |

*2 Only when the duplex module is installed.

*3 The trays that can be selected will vary depending on what peripheral devices have been installed.

2. Originals that can be faxed

A. Original sizes

| | Minimum original size | Maximum original size |
|--------------------------------|--|---|
| Using the auto document feeder | 8-1/2" (width) x 5-1/2" (length) 5-1/2" (width) x 8-1/2" (length) | 11" (width) x 3-1/2" *(length) *Long documents can be loaded |
| Using the document glass | | 11" (width) x 17" (length) |

NOTE

Originals that are not a standard size (5-1/2" x 8-1/2", 8-1/2" x 11", 8-1/2" x 11"R, 8-1/2" x 14", 11" x 17") can also be faxed.

B. Automatic reduction of faxed document

If the size (width) of the faxed document is greater than the receiving machine's paper size, the size will be automatically reduced.

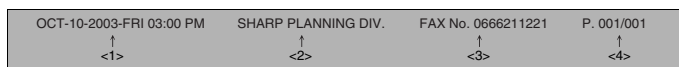
| Faxed document width | Receiving machine's paper | width Reduced size | Ratio |
|----------------------|---------------------------|--------------------|-----------------------|
| 11" x 17" | 8-1/2" x 14" | 8-1/2" x 14" | 1 : 0.64 (Area ratio) |
| 11" x 17" | 8-1/2" x 11" | 8-1/2" x 11"R | 1 : 0.5 (Area ratio) |
| 8-1/2" x 14" | 8-1/2" x 11" | 8-1/2" x 11"R | 1 : 0.78 (Area ratio) |

A document can also be faxed without reducing its size. In this case, the left and right edges will not be transmitted.

3. Own number sending

This function prints the date, time, your programmed name, your programmed fax number, and the transmitted page number at the top center of each page that you fax. All pages that you fax include this information.

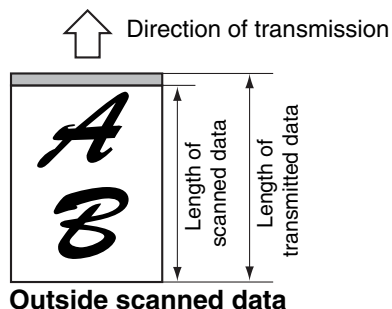
Example of fax page printed out by the receiving machine



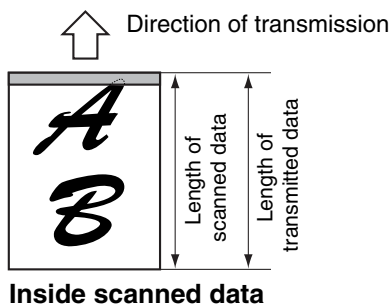
- | | |
|---|---|
| <p><1> Date and time:</p> <p><2>Own name:</p> <p><3>Own fax number:</p> <p><4> Transmitted page number:</p> | <p>The date and time, and the font used to print the date and time, are set in the user settings.</p> <p>programmed with the key operator program.</p> <p>programmed with the key operator program.</p> <p>3-digit number appearing in the format, "page number/total pages" (only the page number appears if you use manual transmission or Quick On-Line transmission). If desired, you can use the key operator program to omit the page number.</p> |
|---|---|

A. Position of sender's information

The key operator program can be used to select whether the sender's information is added outside the original data or inside the data. The initial factory setting is outside the data.



None of the transmitted image is cut off; however, the transmitted data is longer than the scanned data, and thus when both the sender and the receiver use the same size of paper, the printed fax may either be reduced or split up and printed on two pages.



The top edge of the scanned data will be cut off by the sender's information; however, when both the sender and the receiver use the same size of paper, the printed fax will neither be reduced nor split up and printed on two pages.

4. Quick On-line

When you use the auto document feeder to send a multi-page document and there are no previously stored jobs waiting or in progress (and the line is not being used), the machine dials the destination after the first page is scanned and begins transmitting scanned pages while the remaining pages are being scanned. This transmission method is called Quick On-line. The messages **SCANNING ORIGINAL** and **SENDING** both appear until scanning of the final page is completed.

If the receiving party is busy, the transmission will switch to a memory transmission.

NOTES

- The machine is initially set (factory setting) to perform Quick On-line transmission. If desired, you can turn off this function with the key operator program.
- When a document is transmitted using the following methods, the job will be stored in memory (Quick On-line transmission will not be performed):

- <1>Sending from the document glass
- <2>Broadcast transmission
- <3>Timer transmission
- <4>F-code transmission
- <5>2 in 1
- <6>Card shot
- <7>Job build

5. Trouble codes

* Only the FAX-related codes are extracted.

A. Details of trouble codes

| MAIN | SUB | | |
|------|-----|----------------|---|
| F6 | 00 | Content | Communication trouble (ICU detection) between ICU and FAX |
| | | Details | Communication establishment error/Fleming/Parity/Protocol error |
| | | Cause | Slave unit PWB connector disconnection Harness abnormality between slave unit PWB and ICU PWB. Slave unit PWB mother board connector pin breakage Slave unit ROM abnormality/No ROM/ Reverse insertion of ROM/ROM pin breakable |
| | | Check & Remedy | Check connector harness between slave unit PWB and ICU PWB. Check grounding of machine. Check slave unit PWB ROM. |
| | 01 | Content | FAX expansion flash memory abnormality (ICU detection) |
| | | Details | Expansion flash memory with Address data backup data is installed. |
| | | Cause | Address data backup data is detected in expansion flash memory. Expansion flash memory in which Address data are backed up with SIM 66-19 is installed. |
| | | Check & Remedy | Restore backup data to Address data with SIM 66-20, and clear expansion flash memory with SIM 66-10. If data are unnecessary, clear expansion flash memory with SIM 66-10. |
| | 04 | Content | FAX modem operation abnormality |
| | | Details | FAX PWB modem chip operation abnormality |
| | | Cause | The boot test pin in the FAX PWB is shorted and normal operation is tried. Modem chip operation abnormality in FAX PWB |
| | | Check & Remedy | Turn on the power again without shorting the boot test pin in the FAX PWB. Replace FAX PWB. |
| | 20 | Content | FAX write protect cancel |
| | | Details | The write protect DIP switch on the ICU PWB is released (canceled). |
| | | Cause | The FAX write protect DIP switch is set to the FAX write enable position. FAX PWB trouble |
| | | Check & Remedy | Check the write protect DIP switch on the ICU PWB. Replace the FAX PWB and the ICU PWB. |

| MAIN | SUB | | |
|------|-----|------------------|---|
| F6 | 21 | Content | Abnormal combination of the TEL/LIU PWB and the FAX soft switch |
| | | Details | Abnormal combination of the TEL/LIU PWB and the FAX PWB information (soft switch) |
| | | Cause | Erroneous destination of the installed TEL/LIU PWB Erroneous FAX PWB information (soft switch) Abnormal TEL/LIU PWB |
| | | Check & Remedy | Check the destination of the TEL/LIU PWB Check the FAX PWB information (soft switches). Replace the TEL/LIU PWB. |
| | 98 | Content | Abnormal combination of the FAX-BOX destination information and the machine destination information |
| | | Details | Abnormal combination of the FAX-BOX destination information and the machine destination information |
| | | Cause | Combination between the destination information saved in the EEPROM on the FAX-BOX and the machine destination information (set with SIM26-6) is abnormal. |
| | | Check & Remedy | Check the FAX-BOX destination. Check the machine destination setup (SIM26-6). Use the proper combination of the machine and the FAX-BOX. |
| F7 | 01 | Content | FAX board EEPROM read/write error |
| | | Details | EEPROM access error (read/write) |
| | | Cause | EEPROM trouble FAX PWB EEPROM access circuit trouble |
| | | Check & Remedy | Replace FAX PWB. |
| U1 | 01 | Content | Battery abnormality (on the ICU PWB) |
| | | Detail | Backup SRAM battery voltage fall |
| | | Cause | Battery life Battery circuit abnormality |
| | | Check and remedy | Check that the battery voltage is about 2.5V or above. Check the battery circuit. |
| | 02 | Content | RTC read abnormality (common with FAX, on ICU PWB) |
| | | Details | The value read from RTC on ICU PWB is [EE]h (abnormal). |
| | | Cause | RTC circuit abnormality Battery voltage fall Battery circuit abnormality |
| | | Check & Remedy | Set the time again with key operation, and check that time advances properly. Check RTC circuit. Check that battery voltage is about 2.5V or above. Check battery circuit. |

B. Communication report codes

This code is indicated in the column of protocol communication report in a communication report table and a communication management table when communication is terminated.

Communication report XX (YY ZZ)

\uparrow \uparrow \uparrow
 <1> <2> <3>

<1>Communication report code XX (Top 2 digits): 00 ~ 99

<2>Communication report sub code 1: YY: Not used in this machine. (Always 00)

<3>Communication report sub code 2: ZZ: Indicates details of the report.

(1) Communication report code list 1

Means of communication: S = Send, R = Receive, P = Polling, B = Bulletin board

| Report code (Communication result) | Display in the column of result | Content of communication interruption | Means of communication |
|---------------------------------------|--|--|-----------------------------|
| 0 ~ 31 | Refer to the following descriptions. | Depends on the point of communication interruption. For 16 or later, V.34 mode communication. Refer to "(2) Communication report code list 2" in 7-6. | |
| 33 | BUSY | The calling side cannot establish connection with the remote party. | |
| 34 | CANCEL | A communication interruption command is made during sending/receiving. The interruption key is pressed for interruption of input. | <S/R/P/B> |
| 35 | NG35XXXX | Power is failed during sending/receiving. | <S/R/P/B> |
| 36 | (No record paper) | | |
| 37 | (Record paper jam) | | |
| 38 | MEM. FULL | Memory over during reception. Print is not made during reception in acting reception inhibit. | <R/P><R/P> |
| 39 | (Number of paper unmatched) | | |
| 40 | (Relay not received) | | |
| 41 | LENGTH OVER | The send data length of one page exceeds the limit (2m) in sending. | <S/B> |
| 42 | LENGTH OVER | The receive data length of one page exceeds the limit. | <R/P> |
| 43 | (Communication) (OK) | Speaking before data transmission | |
| 44 | ORIGINAL ERROR | A document jam occurs in direct sending. | <S> |
| 45 | (Picture quality error) | | |
| 46 | NO RESPONSE | The FAX signal from the remote party is not detected within T1 time. | <S/P> |
| 47 | TX DECODE ERROR | A decode error occurs in the FAX board. | <S/B> |
| 48 | OK | Normal end of communication | Normal end of communication |
| | OK REPLY RECEIVE | OK in internet FAX send with reception confirmation. | |
| 49 | NO RX POLL | The called side does not have polling function in polling reception. The called side has no data to send. | <P><P> |
| 50 | RX POLL FAIL | In polling reception, DCN is received for DTC. In polling sending, there is no send data. | <P> |
| 51 | PASS # NG | In polling sending, the allow number is not matched. In polling sending, the system number is not matched. | |
| 52 | (No confidential function in remote party) | In confidential sending, the remote party does not have confidential function. (Including other company's machines) <1>The NSF signal has not "Confidential function" bit. <2>The NSF is not a Sharp machine. | <S> |
| 53 | (Confidential not received) | <1>In confidential sending, DCN is received for NSS. | <S> |
| 54 | (Confidential BOX NO NG) | <1>In confidential reception, a confidential box number which is not registered is specified. | <R> |
| 55 | (No relay function in remote party) | In relay command sending, the remote machine has no relay function. (Including other company's machine) <1>The NSF signal has not "Confidential function" bit. <2>The NSF is not a Sharp machine. | <S> |
| 56 | NO REL RX | <1>In relay command sending, DCN is received for NSS. <2>In relay command reception, a remote station number which is not registered is specified. <3>In F code relay broadcasting, an F code relay command is received. | <S><R><R> |
| 57 | (Relay ID unmatched) | <1>In relay command reception, the relay ID does not match. | <R> |
| 58 | REJECTED | In reception, data are sent from a remote machine of receive inhibit number. | |

| Report code (Communication result) | Display in the column of result | Content of communication interruption | Means of communication |
|---------------------------------------|---------------------------------|--|------------------------|
| 59 | RX NO F-CODE POLL | In F code polling (calling), the remote machine has no DIS bit 47 (polling function). In F code polling (calling), the called side has no send data. (DIS bit 9 is 0.) | <P> |
| 60 | NO F-CODE POLL | In F code polling (calling), DCN is received for SEP. In bulletin board, there is no send data for SEP. | <P> |
| 61 | RX POLL # NG | In bulletin board, the sub address (bulletin board number (SEP)) is not matched. | |
| 62 | F POLL PASS # NG | In bulleting board, the pass code (PWD) is not matched. | |
| 63 | NO F FUNC | In F code sending, the remote machine has no DIS bit 49 (sub address function). Check that the remote machine conforms to F code. | <S> |
| 64 | NO F-CODE | In F code sending : <1>DCN is received for SUB. --- Check the box number. <2>DCN is received for SID. --- Check the box number and pass code. In F code receiving : "F code relay broadcasting" or "F code confidential reception" is "Inhibited with soft SW." | <S><R> |
| 65 | | | |
| 66 | | | |
| 67 | F PASS # NG | In F code receiving, the pass code (SID) is not matched. | <R> |
| 68 | BOX NO NG | In F code reception, a box number which is not registered is specified. (SUB is not matched.) | <R> |
| 69 | MEMORY OVER | Memory over in quick online sending | <S> |
| 70 | (JOB MEMORY OVER) | In PC-FAX reservation, the number of remote parties is exceeded. | <S> |
| 71 | NG71XXXX* | In PC-FAX reservation, data sent from PC includes some errors. | <S> |
| 72 | NG72XXXX* | In department management setting on the machine side: •In reservation from PC-FAX or PC-IFAX, a department number which is not registered on the machine side is specified. •In reservation from PC-FAX or PC-IFAX, the department number is not specified. | <S> <S> |
| 73 | NG73XXXX* | In reservation from PC-FAX or PC-IFAX, the use quantity limit is exceeded. | <S> |
| 74 | NG74XXXX* | | |
| 75 | NG75XXXX* | Reservation cannot be made due to machine busy. (Reservation of PC-FAX cannot be accepted.) (This does not occur in Dragon.) | <S> |
| 76 | NG76XXXX* | | |
| 80 | NETWORK ERROR | NIC connect failure (network abnormality)Check for disconnection of cables. | |
| 81 | NG REPORT | In internet FAX send, reply of receive confirmation of the remote machine is not normal. (Including PC-IFAX). •Error of the disposition-modifier . •The disposition modifier is not in an error, and the disposition type is other than displayed, dispatched, or processed. | |
| 82 | NO REPORT | In internet FAX send, time-out occurs in waiting for receive confirmation from the remote machine. (Including PC-IFAX). •In a case where send confirmation wait time-out time is other than 0, when send confirmation reply from an internet FAX destination is not received. •Recalls of the set number of recalls are performed, but send confirmation reply from an internet AFX destination is not received. | |
| 83 | NG LIMIT | In E-mail/FTP, internet FAX send, the send data size exceeds the upper limit of send data. | |
| 84 | REJECTED | In e-mail receive, a sender is registered in receive reject address/domain. | <R> |
| 85 | NG85XXXX* | In e-mail receive, an error occurs in communication with POP3 server. •Header acquisition error. •Time-out during mail receive | |
| 86 | RECEIVED | In e-mail receive, an unsupported attached file is received. Only the TIFF-F type is supported for attached files. •The TIFF-F type of the attached file cannot be recognized. •There is no attached file. | |
| 87 | NG87XXXX* | In e-mail receive, an attached file cannot be stored in memory. •Memory over | |

| Report code (Communication result) | Display in the column of result | Content of communication interruption | Means of communication |
|---------------------------------------|---------------------------------|--|------------------------|
| 88 | NG88XXXX* | In SMTP e-mail receive, an attached file cannot be stored in memory. •Cannot be stored in memory. •The number of items of acting receive data is the maximum, and an additional data cannot be stored. | |
| 89 | NG89XXXX* | In SMTP e-mail receive, an error occurs in communication with the mail server. •Time-out occurs during e-mail receive. | |
| 90 | NG90XXXX* | After reservation by re-operation of document filing, conversion for image send cannot be made. | |

* For a job status result in "Display in the column of result," "NG △ △ XXXX" is displayed. "△ △" is the code number.

For a communication result, "Communication error △ △" is displayed.

•When the communication result is OK, the communication sub code 1 and the communication sub code 2 are "0000."

•Errors in () are not used in this machine.

(2) Communication report code list 2

| Report code | Final receive signal (Send side) | Final receive signal (Receive side) | Remark |
|-------------|----------------------------------|-------------------------------------|-------------------------|
| 0 | Abnormal signal | Abnormal signal | |
| 1 | NSF, DIS | (SID), (SUB), NSS, DCS | |
| 2 | CFR | (PWD), (SEP), NSC, DTC | |
| 3 | FTT | EOP | |
| 4 | MCF | EOM | |
| 5 | PIP, PIN | MPS | |
| 6 | RTN, RTP | PRI-Q | |
| 7 | No signal, DCN | DCN | |
| 8 | PPR | PPS-EOP | |
| 9 | | PPS-EOM | |
| 10 | | PPS-MPS, PPS-NUL | |
| 11 | RNR | RR | |
| 12 | CTR | CTC | |
| 13 | ERR | EOR-Q | |
| 14 | | PPS-PRI-Q | |
| 15 | | | |
| 16 | Abnormal signal | Abnormal signal | V.34 MODE COMMUNICATION |
| 17 | NSF, DIS | SID, SUB, NSS, DCS | V.34 MODE COMMUNICATION |
| 18 | CFR | PWD, SEP, NSC, DTC | V.34 MODE COMMUNICATION |
| 19 | FTT | PPS-EOP | V.34 MODE COMMUNICATION |
| 20 | MCF | PPS-EOM | V.34 MODE COMMUNICATION |
| 21 | PIP, PIN | PPS-MPS, PPS-NUL | V.34 MODE COMMUNICATION |
| 22 | RTN, RTP | PRI-Q | V.34 MODE COMMUNICATION |
| 23 | No signal, DCN | DCN | V.34 MODE COMMUNICATION |
| 24 | PPR | | V.34 MODE COMMUNICATION |
| 25 | RNR | RR | V.34 MODE COMMUNICATION |
| 26 | CTR | CTC | V.34 MODE COMMUNICATION |
| 27 | ERR | EOR-Q | V.34 MODE COMMUNICATION |
| 28 | | PPS-PRI-Q | V.34 MODE COMMUNICATION |
| 29 | V.8Phase-1 | V.8Phase-1 | V.34 MODE COMMUNICATION |
| 30 | V.8Phase-2 | V.8Phase-2 | V.34 MODE COMMUNICATION |
| 31 | V.8Phase-3 | V.8Phase-3 | V.34 MODE COMMUNICATION |

•For report codes 16 ~ 31, V.34 MODE COMMUNICATION.

(3) Communication report sub code

| Report code 2 | Content of communication interruption | Send/Receive |
|---------------|---------------------------------------|--------------|
| 01 | Send length over | Send |
| 02 | EOL time up | Receive |
| 03 | Carrier detection time up | Receive |
| 04 | Not used | - |
| 05 | Time up in phase C (8 min) | Send |
| 06 | Memory image decode error | Receive |
| 07 | Memory image decode error | Send |

| Report code 2 | Content of communication interruption | Send/Receive |
|---------------|--|--------------|
| 08 | Time up between frames in phase C (Report code is 0 or 16.) | Send/Receive |
| 09 | Not used | - |
| 10 | Not used | - |
| 11 | Polarity reversion detection | Receive |
| 12 | Invalid command reception | Receive |
| 13 | Time up (1-minute timer/6-second time) | Receive |
| 14 | PUT error | Receive |
| 15 | In V.34 mode, time up is generated when shifting from Primary to Control. | Receive |
| 16 | In V.34 mode, time up is generated when shifting from Control to Primary. | Receive |
| 17 | Command receive time-up from MFP controller | Receive |
| 18 | Not used | - |
| 19 | Not used | - |
| 20 | Polarity reversion detection | Send |
| 21 | Invalid command reception | Send |
| 22 | Fallback retry number over | Send |
| 23 | Command retry number resend over | Send |
| 24 | Time up (T5 timer) | Send |
| 25 | Time up (T5 timer) in V.34 mode | Send |
| 26 | In V.34 mode, time up is generated when shifting from Primary to Control. | Send |
| 27 | In V.34 mode, time up is generated when shifting from Control to Primary. | Send |
| 28 | Modem chip response NG *1 | Send/Receive |
| 29 | Not used | - |
| 30 | A communication error is generated between MFP controller and Modem controller. (Report code is 0 or 16.) | |
| 31 | DC current not detected (busy) | Send |
| 32 | Dial tone not detected (busy) | Send |
| 33 | Busy tone detection (busy) | Send |
| 34 | T0 time up (Remote machine not responding) | Send |
| 35 | T1 time up (Remote machine not responding) | Send |
| 36 | In dialing, polarity reversion detection (Remote machine not responding) | Send |
| 37 | Calling is not made (busy)<Collision detected (including CNG detection)> | Send |
| 38 | JBIG chip response NG | Send/Receive |
| 60 | In resend of document filed data, an error occurs in decoding or coding. | |
| 61 | In resend of document filed data, setting to inhibit resolution conversion is made. (The resolution after resend is set to be Enlarged.) | |
| 62 | In resend of document filed data, rotation setting is made for data which cannot be rotated. | |
| 63 | In resend of document filed data, data cannot be stored in HD after conversion of resolution for resend. | |
| 70 | E-mail header acquisition error | |
| 71 | Time out occurs during e-mail receive. | |
| 72 | Receive reject occurs during e-mail receive. | |
| 80 | There is no attached file in received e-mail. | |
| 81 | The attached file of received e-mail is not of TIFF type which is supported. | |
| 82 | The TIFF type of the attached file in received e-mail cannot be recognized. ID error | |
| 83 | The TIFF type of the attached file in received e-mail cannot be recognized. Endian error | |
| 84 | The TIFF type of the attached file in received e-mail cannot be recognized. Version error | |
| 85 | The TIFF type of the attached file in received e-mail cannot be recognized. Tag data error | |
| 86 | The TIFF type of the attached file in received e-mail cannot be recognized. Tag parameter error | |
| 87 | The TIFF type of the attached file in received e-mail cannot be recognized. Header size error | |
| 88 | The TIFF type of the attached file in received e-mail cannot be recognized. Data error | |
| 90 | In e-mail receive, an attached file cannot be stored in memory. Memory overCannot be stored in memory. | |
| 91 | In e-mail receive, an attached file cannot be stored in memory.The file size is too great to be stored in memory. | |
| 92 | In SMTP e-mail receive, an attached file cannot be stored in memory. Cannot be stored in memory. | |

*1: Does not occur in Tiger and Dragon.

When the sub code is 08 or 30, if the communication report is OK, the report code is 00 or 16.

A. Block Diagram



SHARP CIRCUIT DIAGRAM

CODE: 00ZARMFX8/C1/

DIGITAL LASER COPIER/PRINTER/ DIGITAL MULTIFUNCTIONAL SYSTEM OPTION FACSIMILE EXPANSION KIT

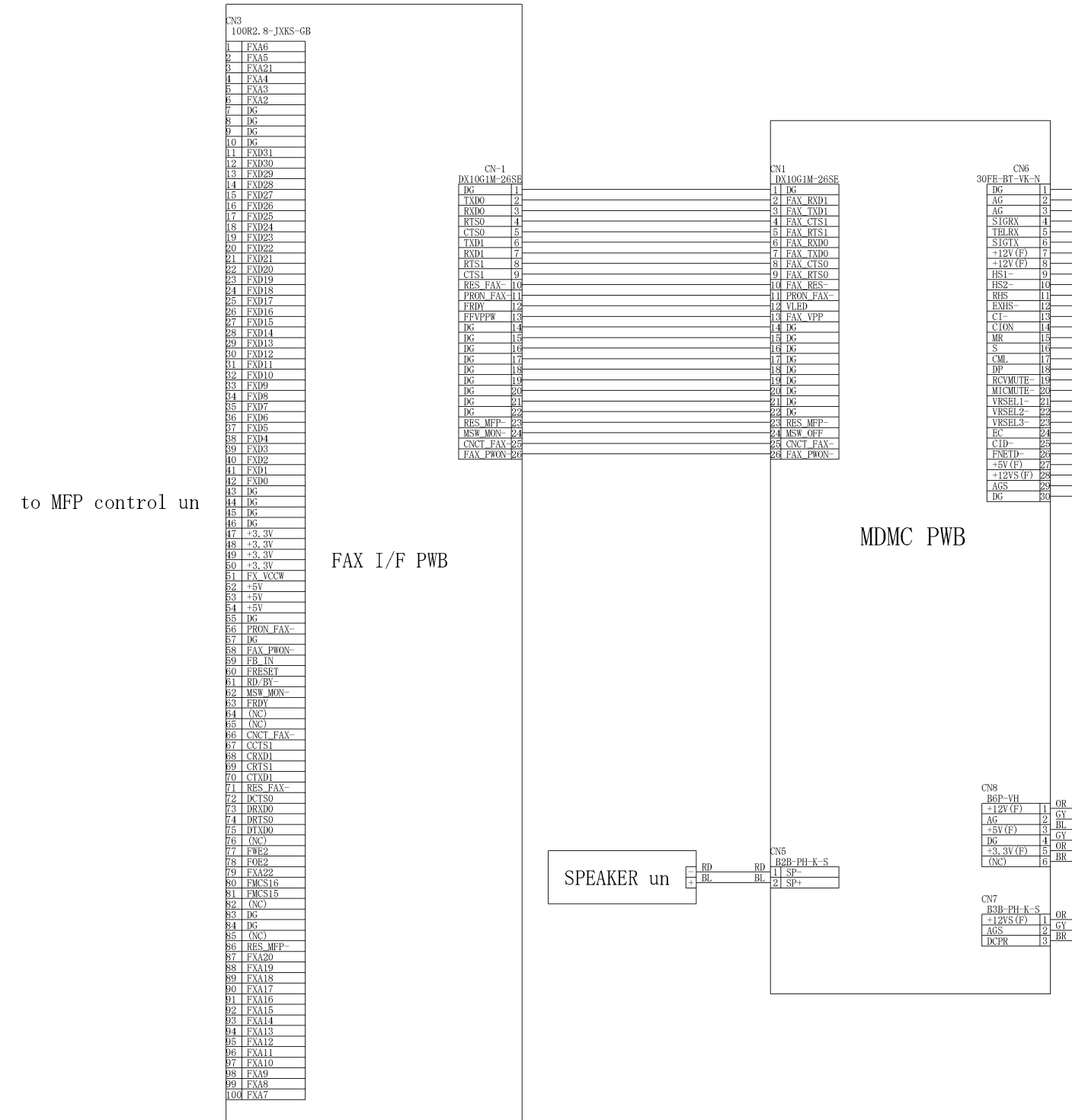
MODEL **AR-FX8**

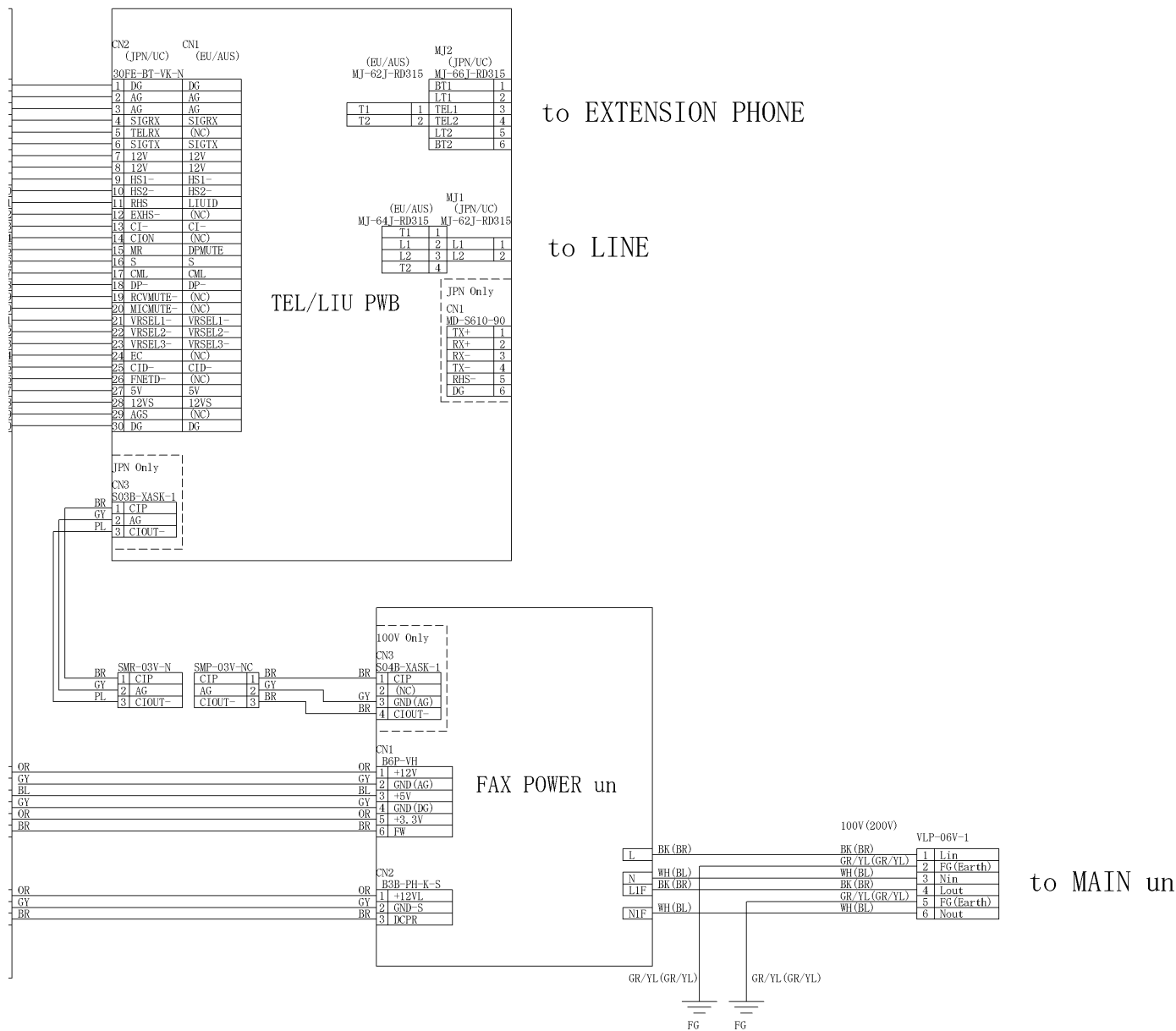
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 - 2. CIRCUIT DIAGRAM 2-3
- [3] FAX I/F PWB 3-1
 - 1. BLOCK DIAGRAM 3-1
 - 2. CIRCUIT DIAGRAM 3-2
- [4] TEL / LIU PWB 4-1
 - 1. BLOCK DIAGRAM 4-1
 - 2. CIRCUIT DIAGRAM 4-2

Parts marked with “△” are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

[1] ACTUAL WIRING CHART

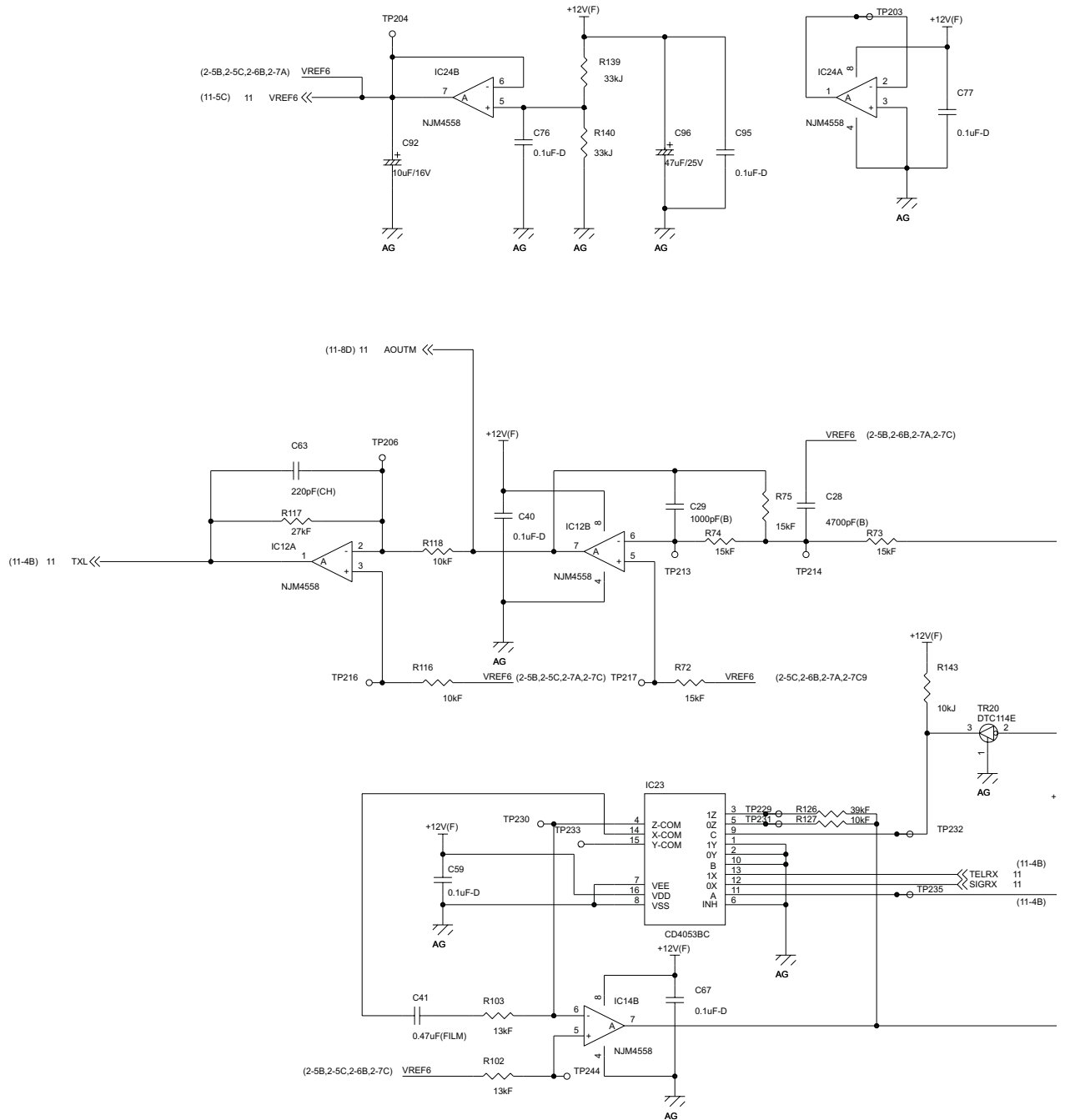


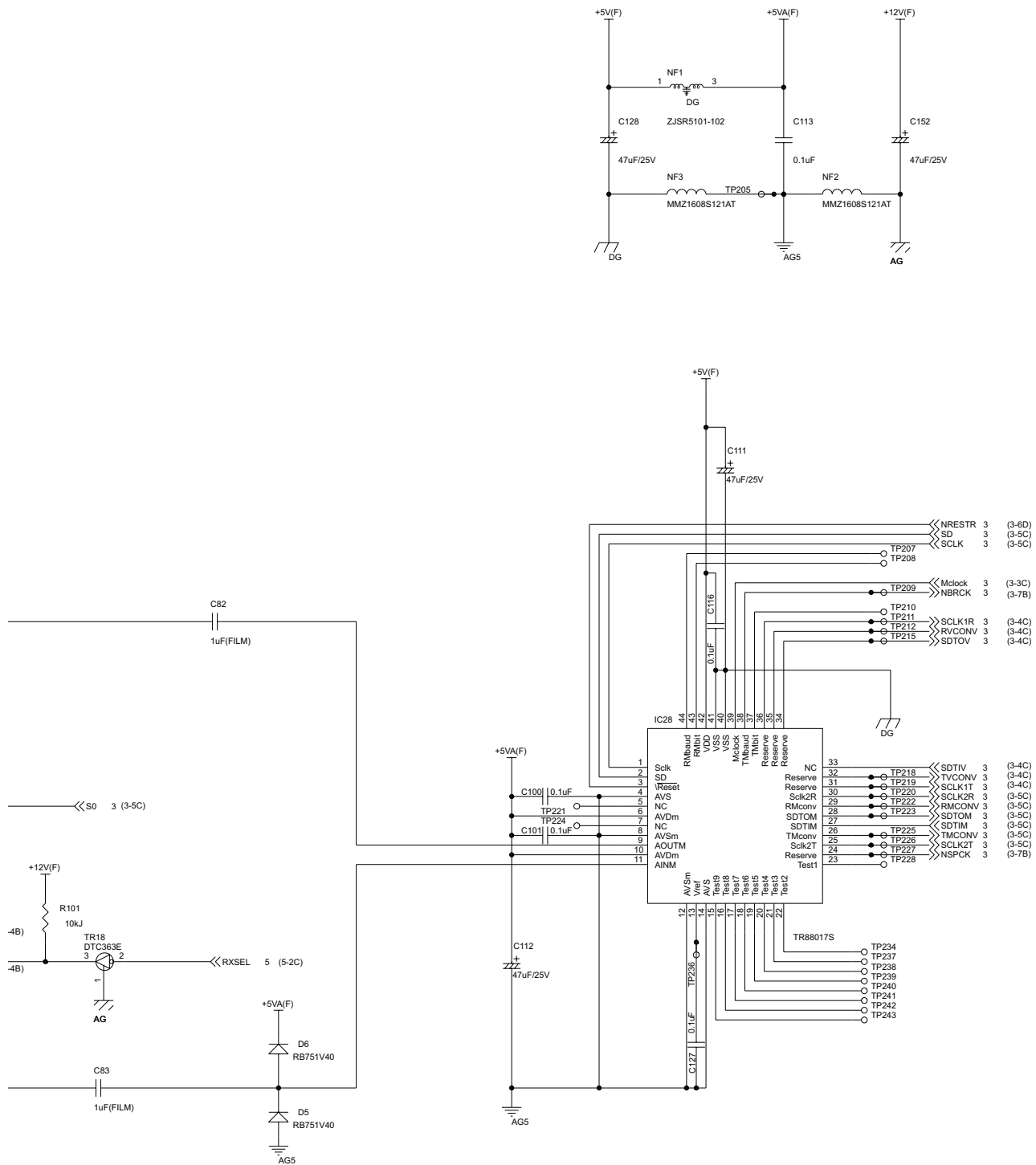


1. BLOCK DIAGRAM

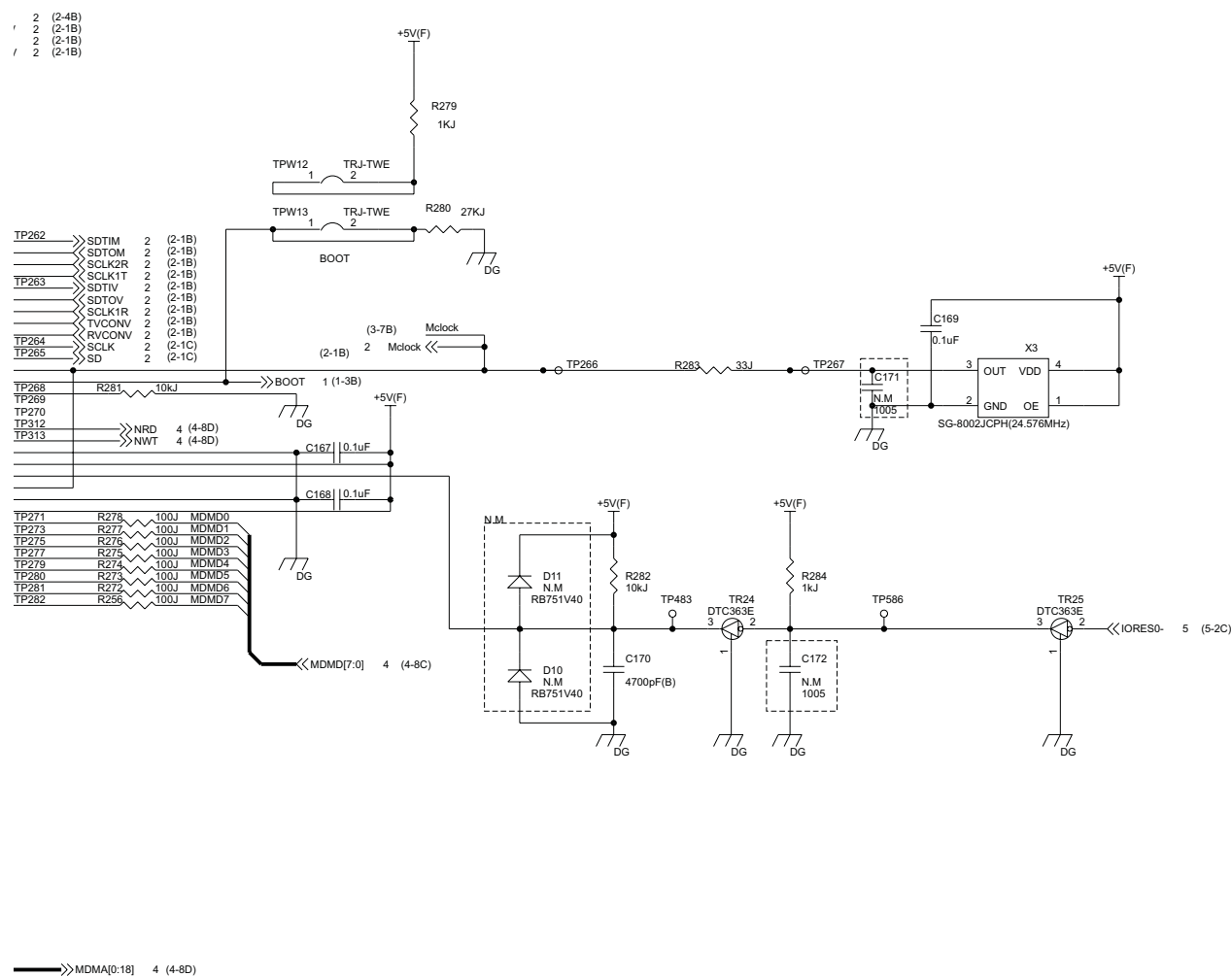


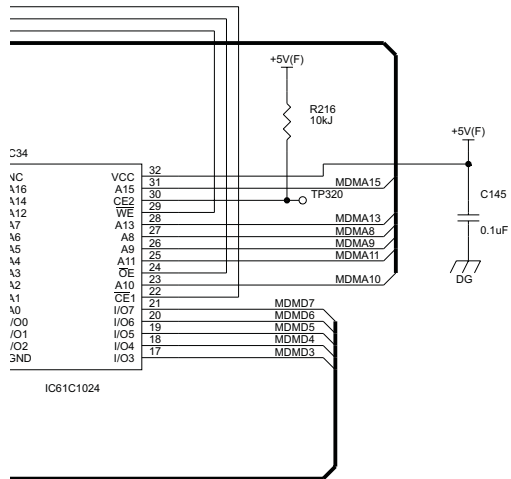
MDMC PWB (MODEM (AFE))



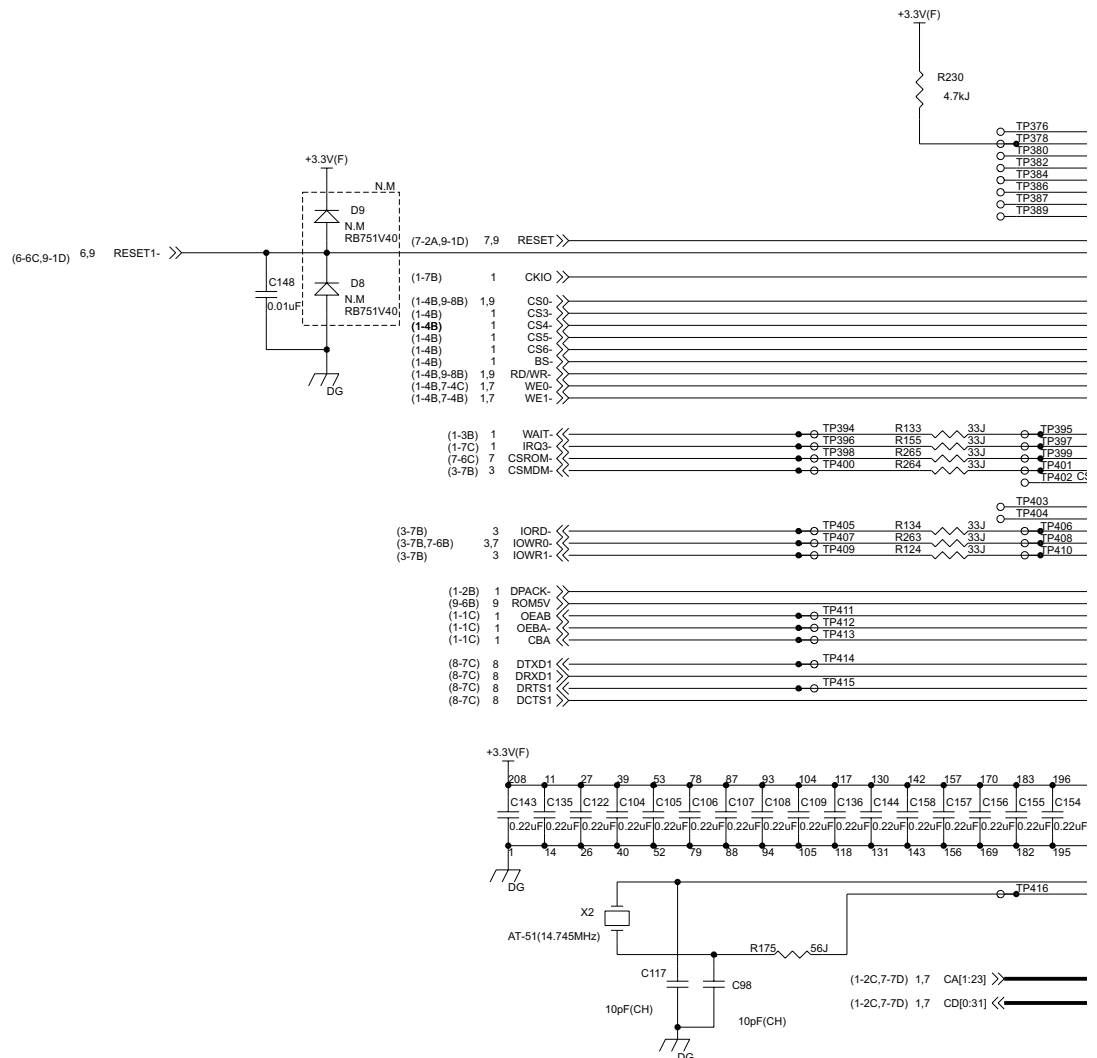


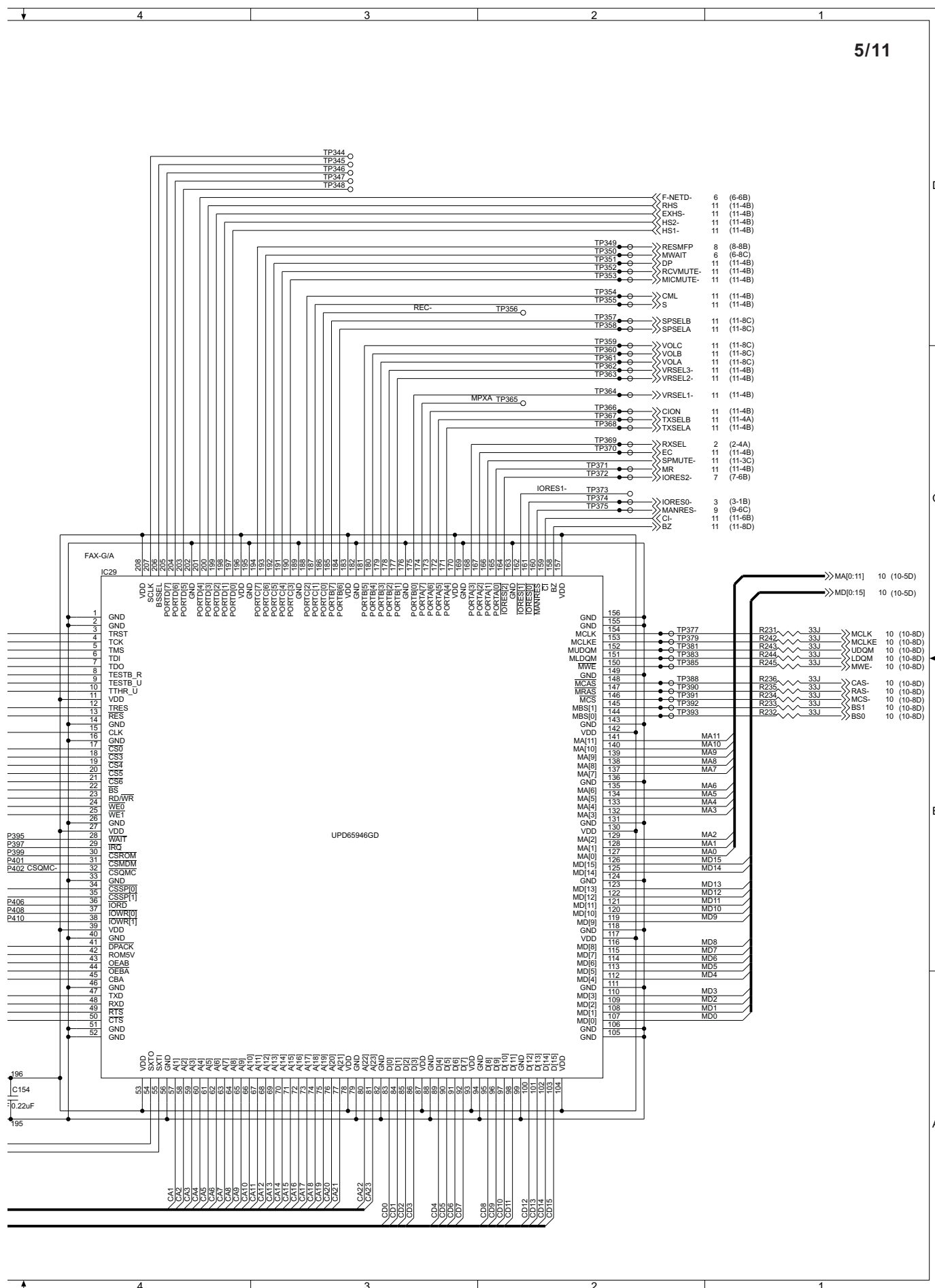
MDMC PWB (MODEM (DSP))



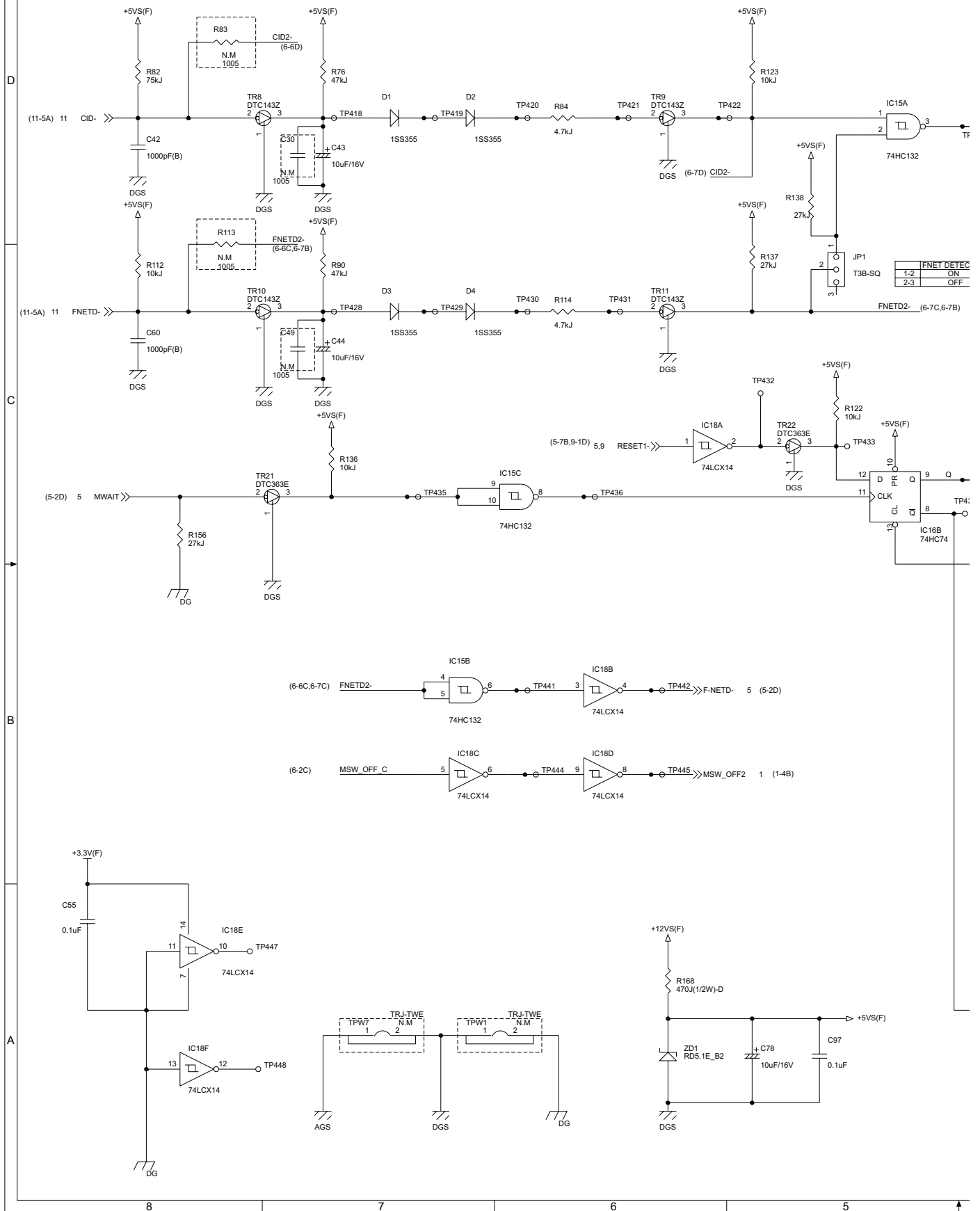


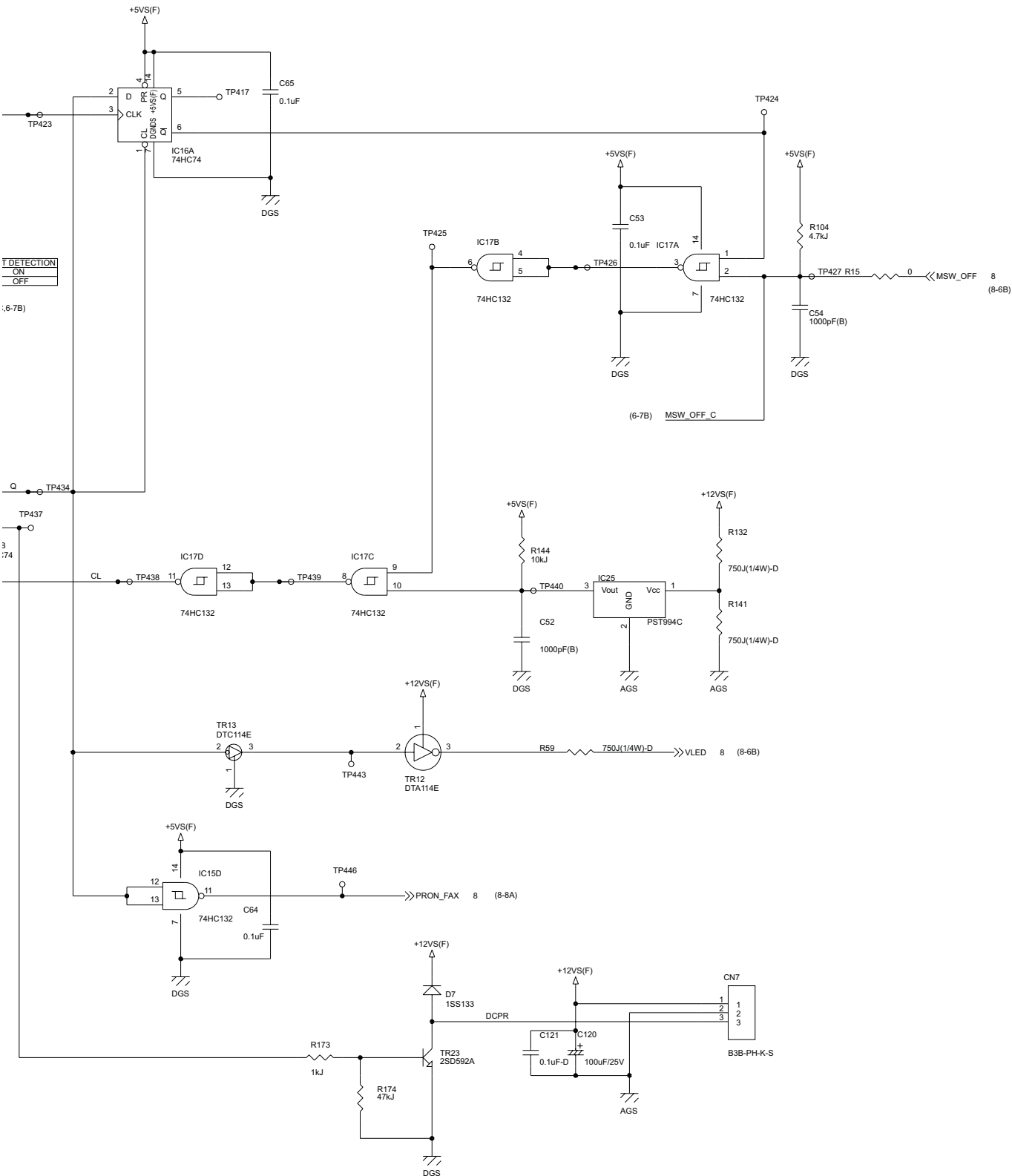
MDMC PWB (FAX G/A)



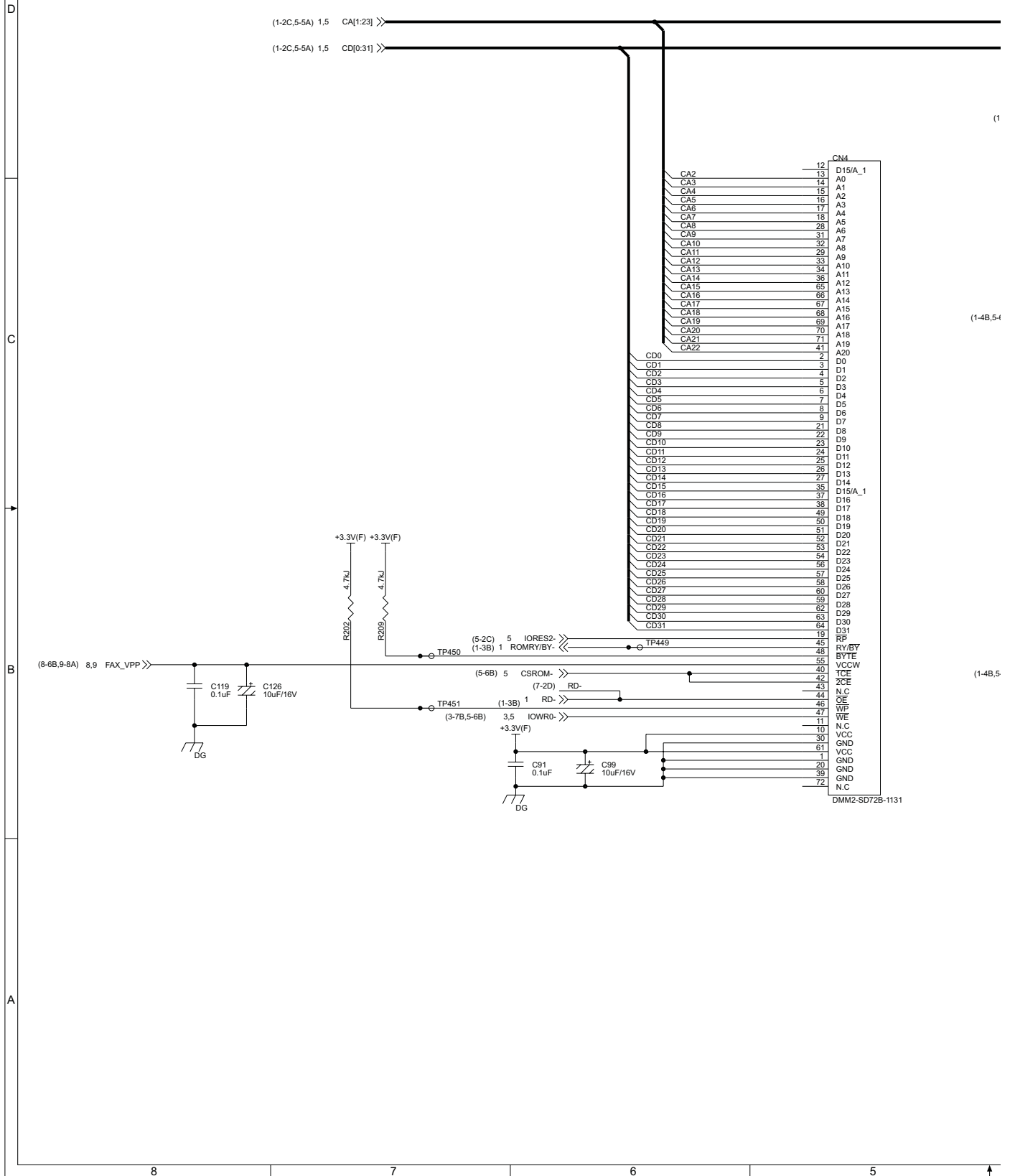


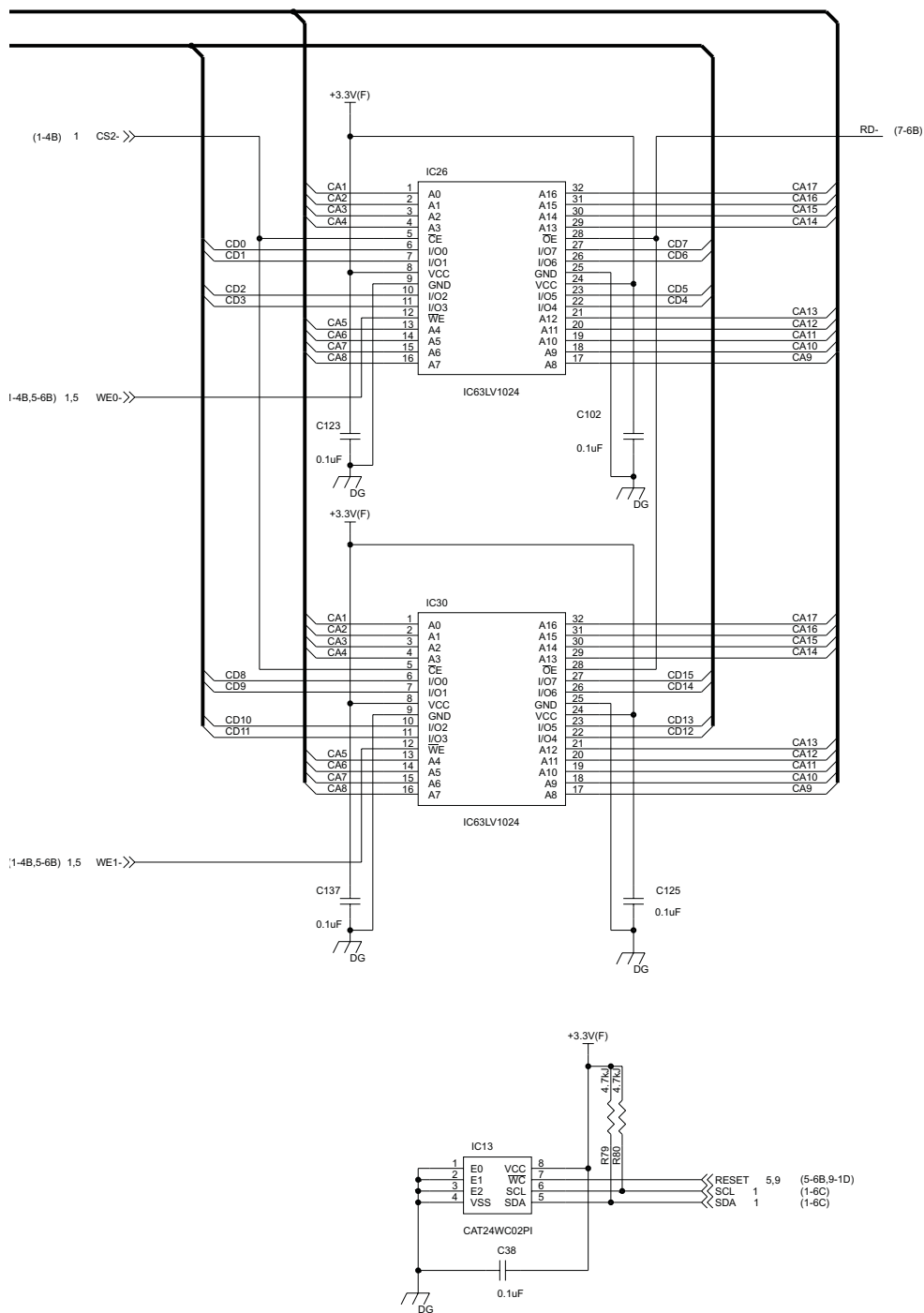
MDMC PWB (NIGHT TIME FAX) / MDMC PWB (夜間FAX)



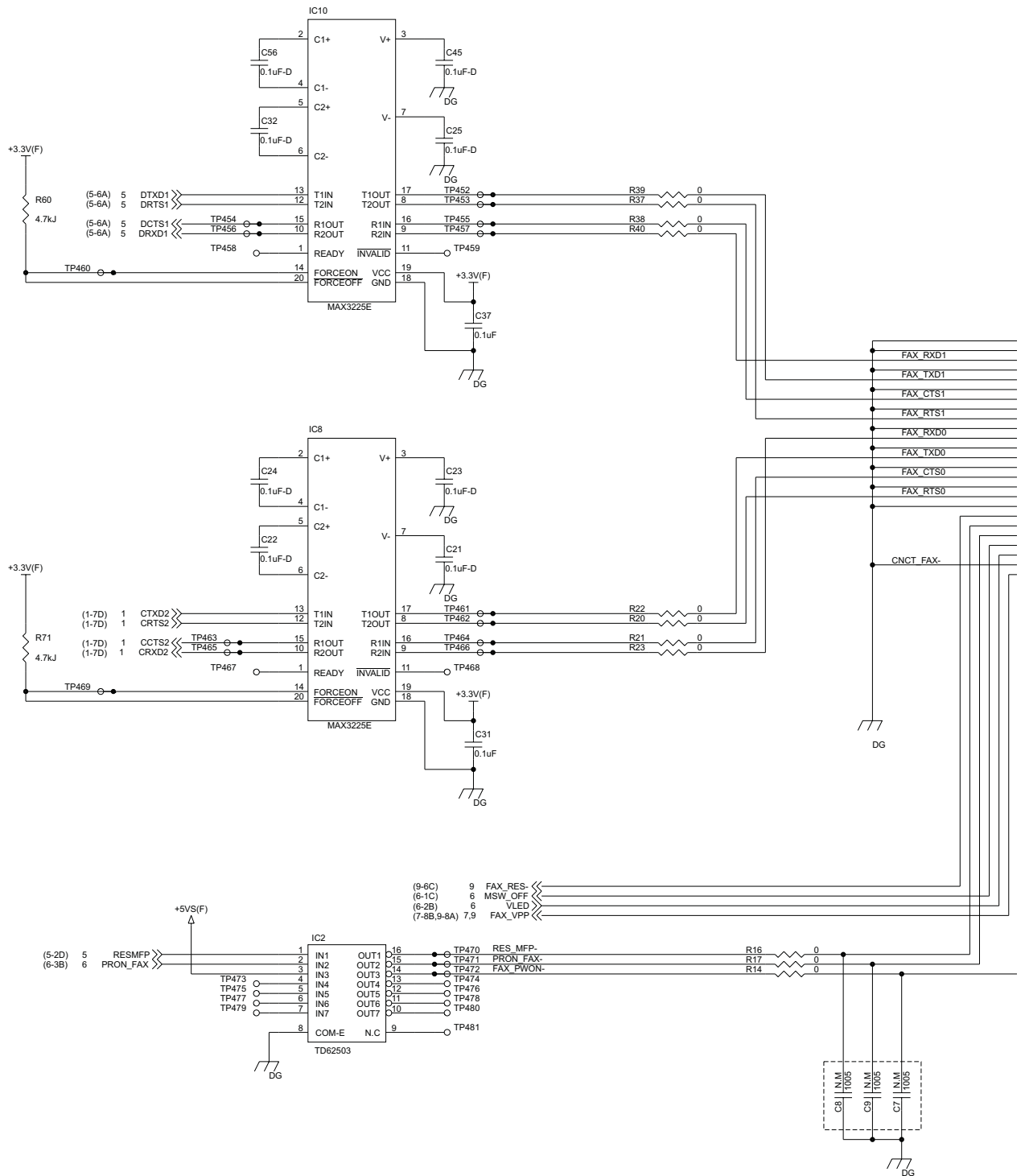


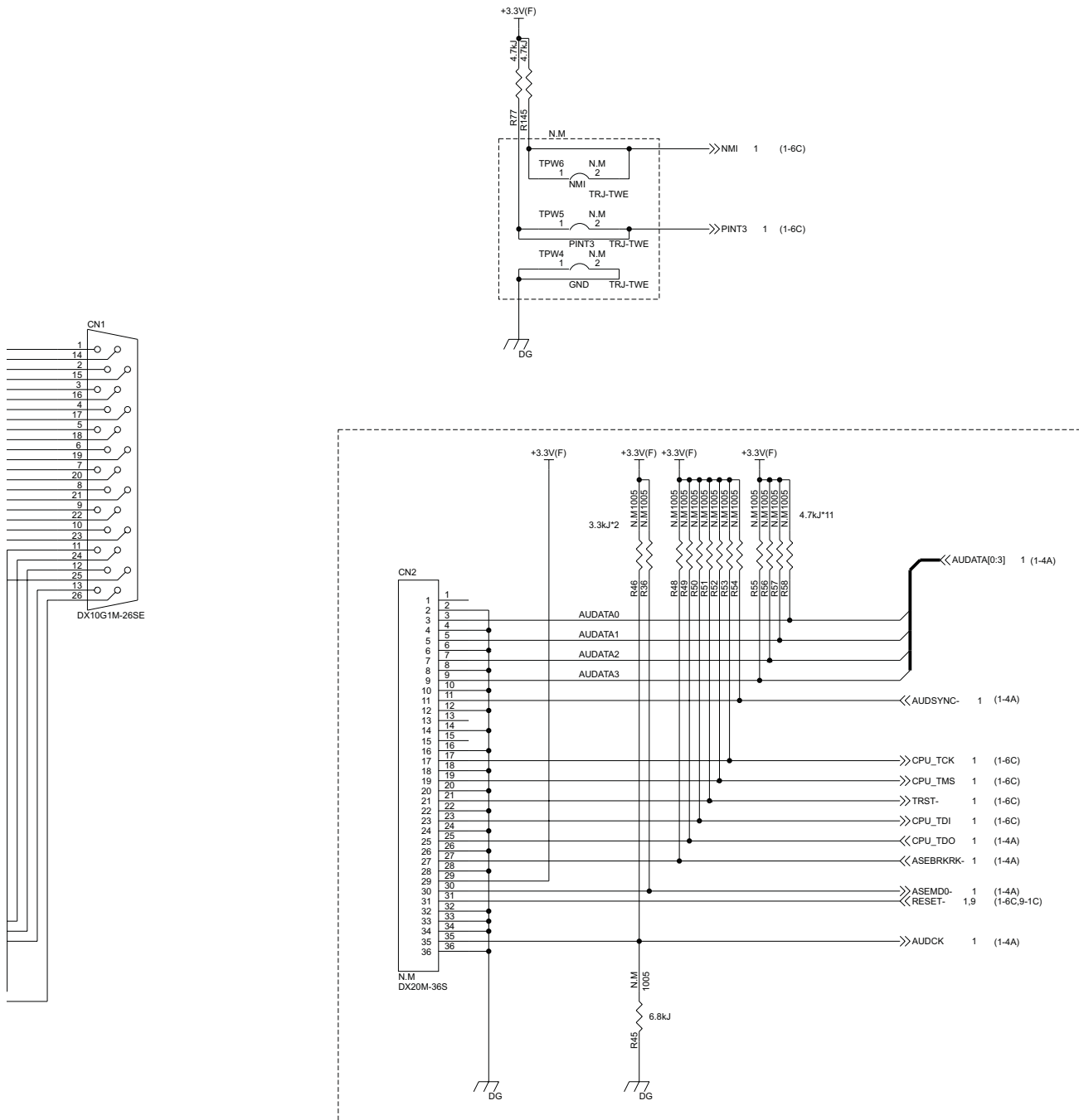
MDMC PWB (CPU WORK MEMORY, PROGRAM ROM, SERIAL EEPROM) / MDMC PWB (CPUワークメモリ、プログラムROM、シリアルEEPROM)



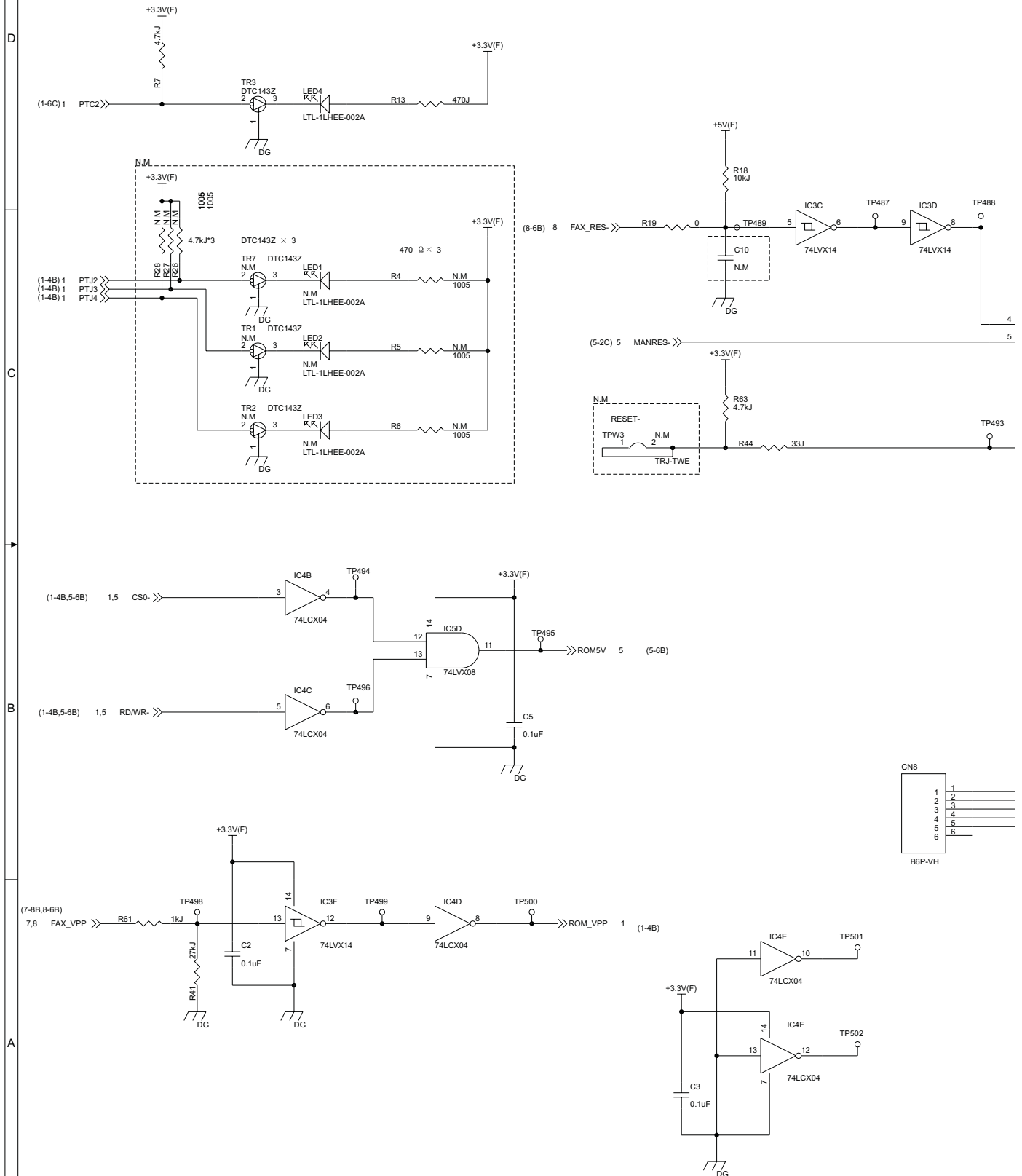


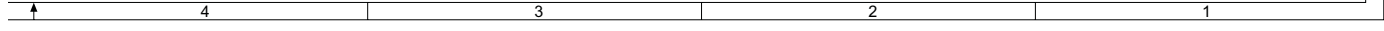
MDMC PWB (MFP-I/F, H-UDI-I/F)



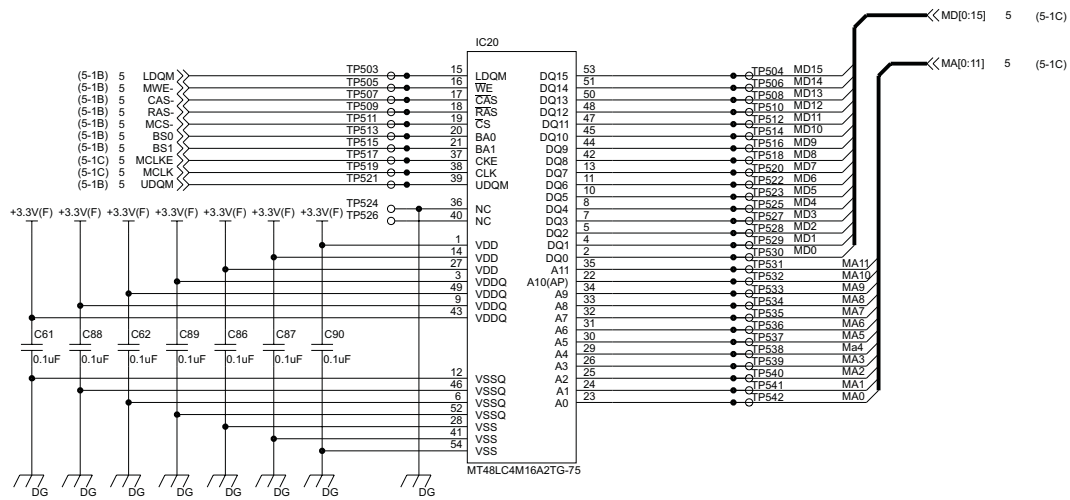


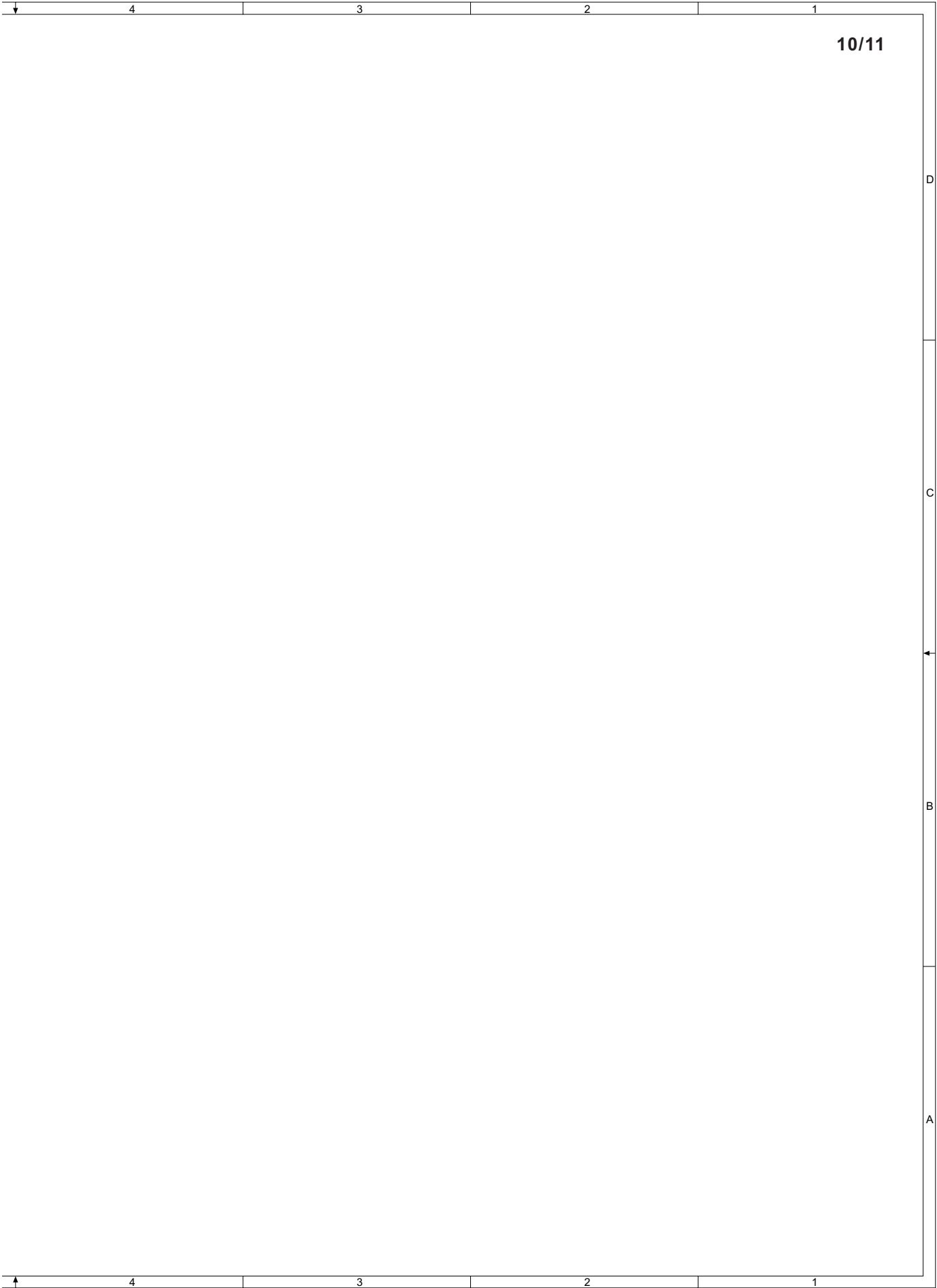
MDMC PWB (RESET, POWER)

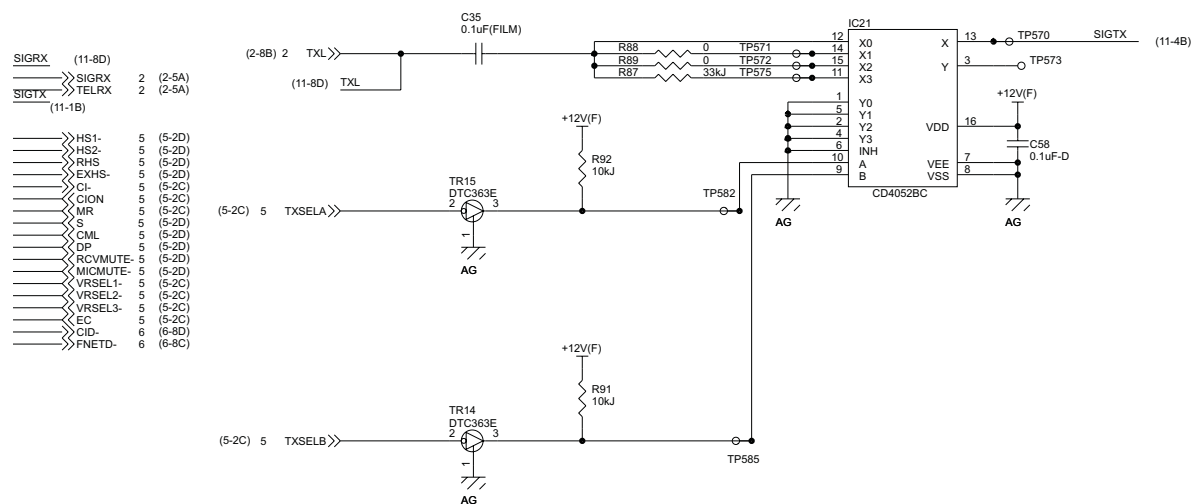
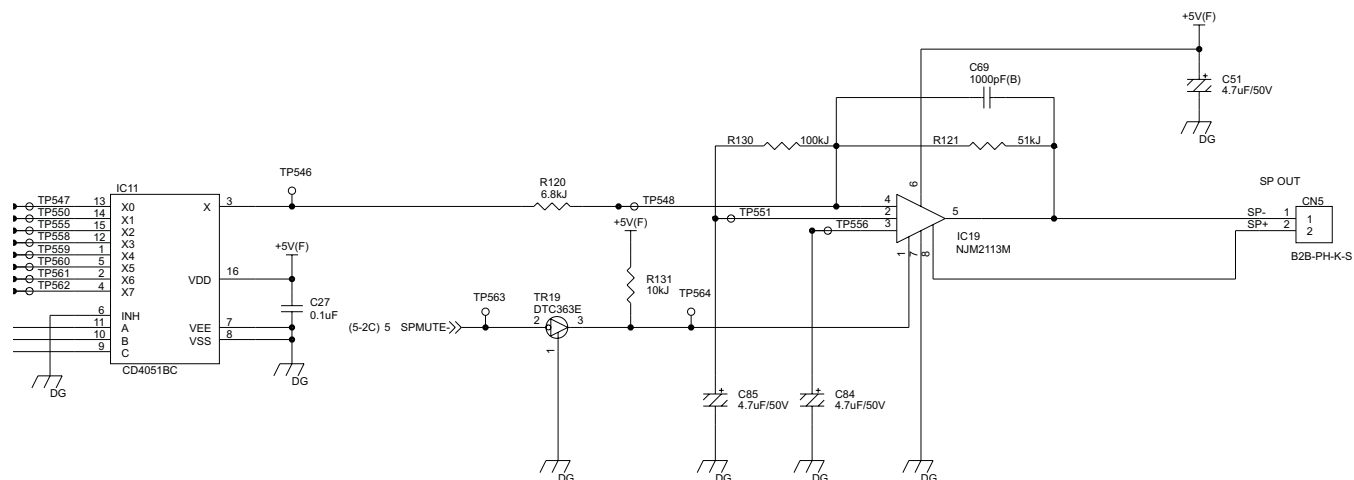




MDMC PWB (SRAM)

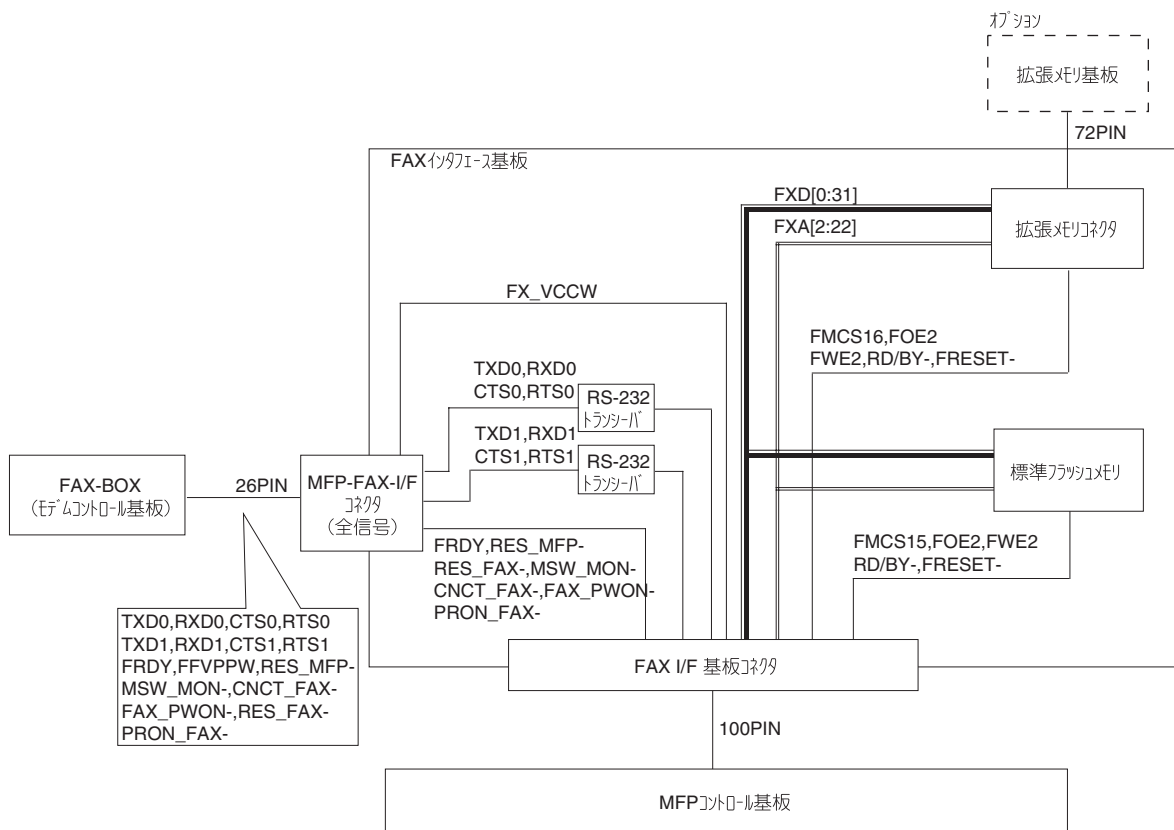
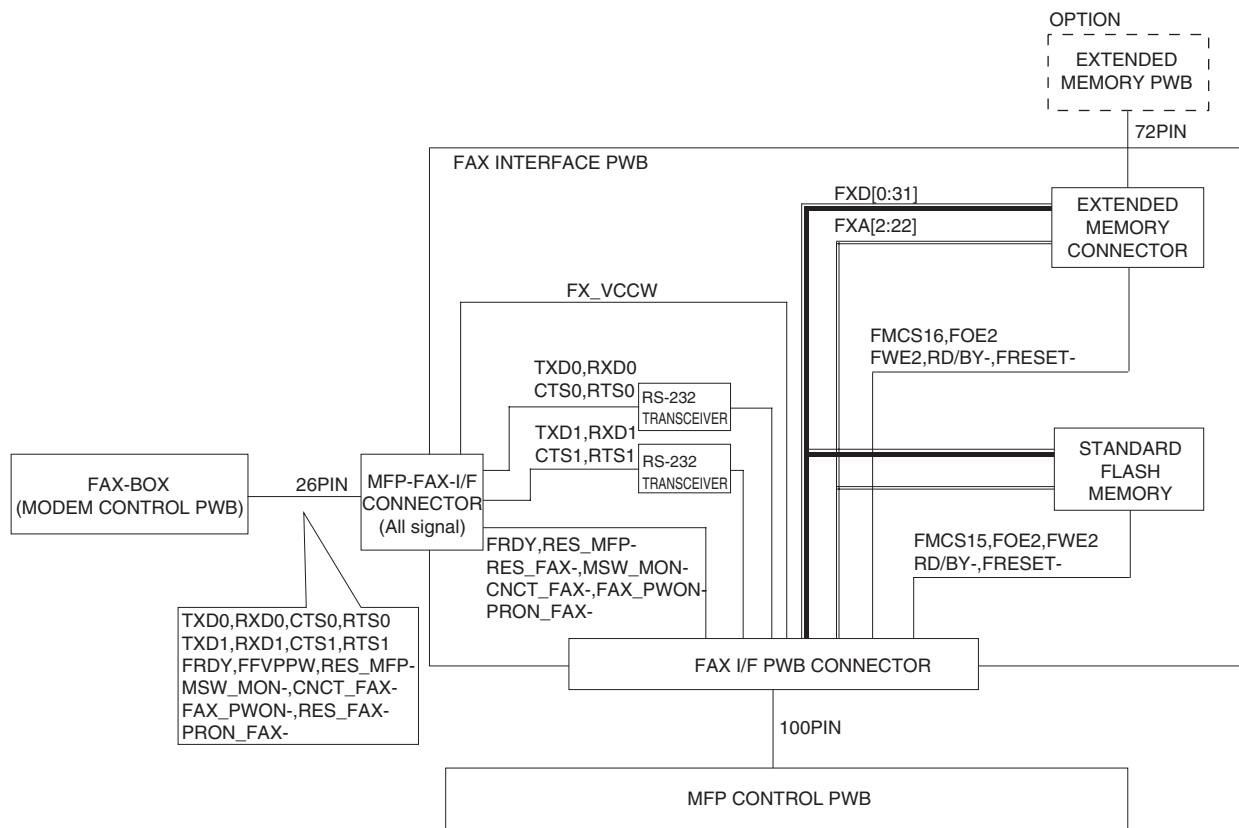




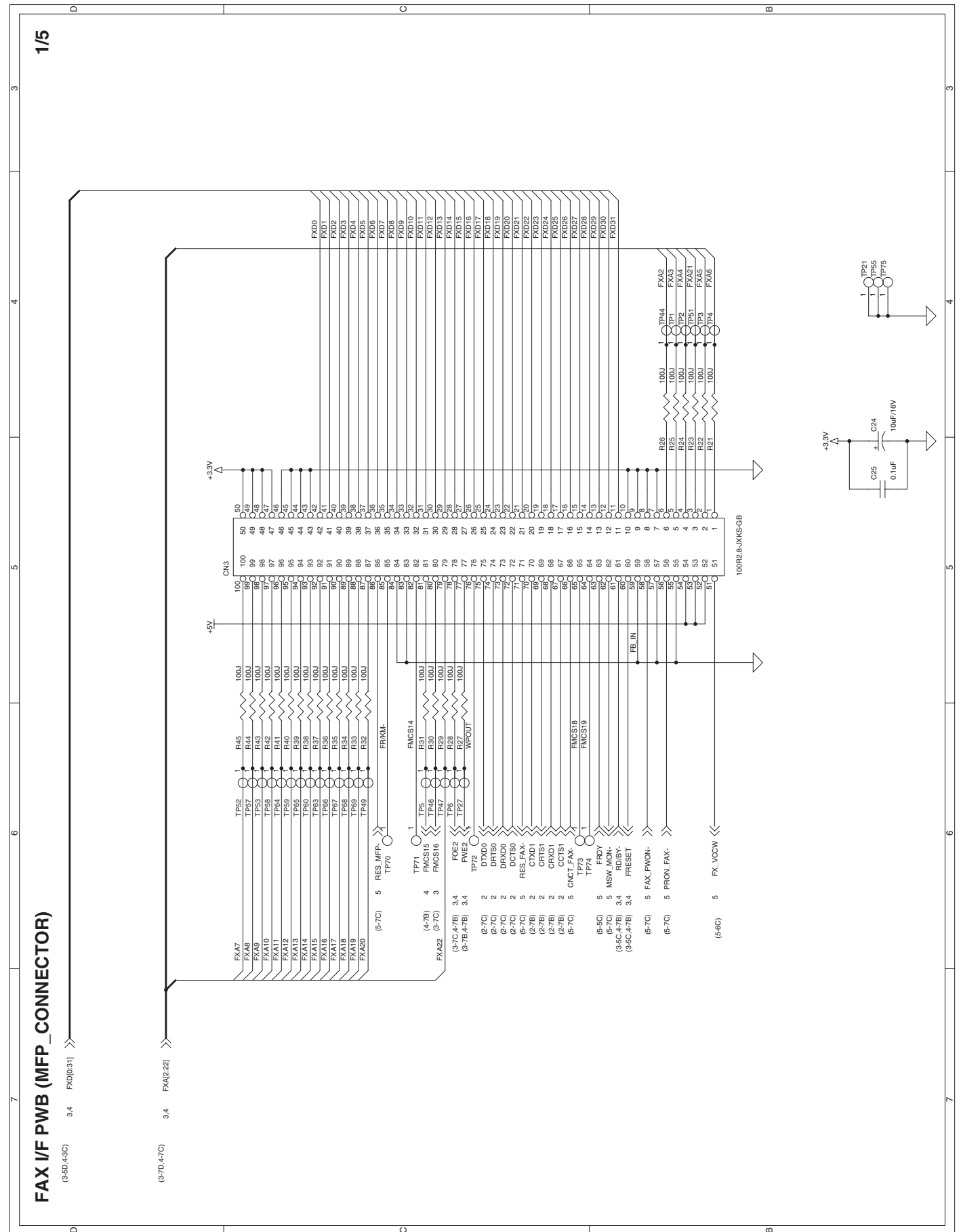


[3] FAX I/F PWB

1. BLOCK DIAGRAM / ブロック図

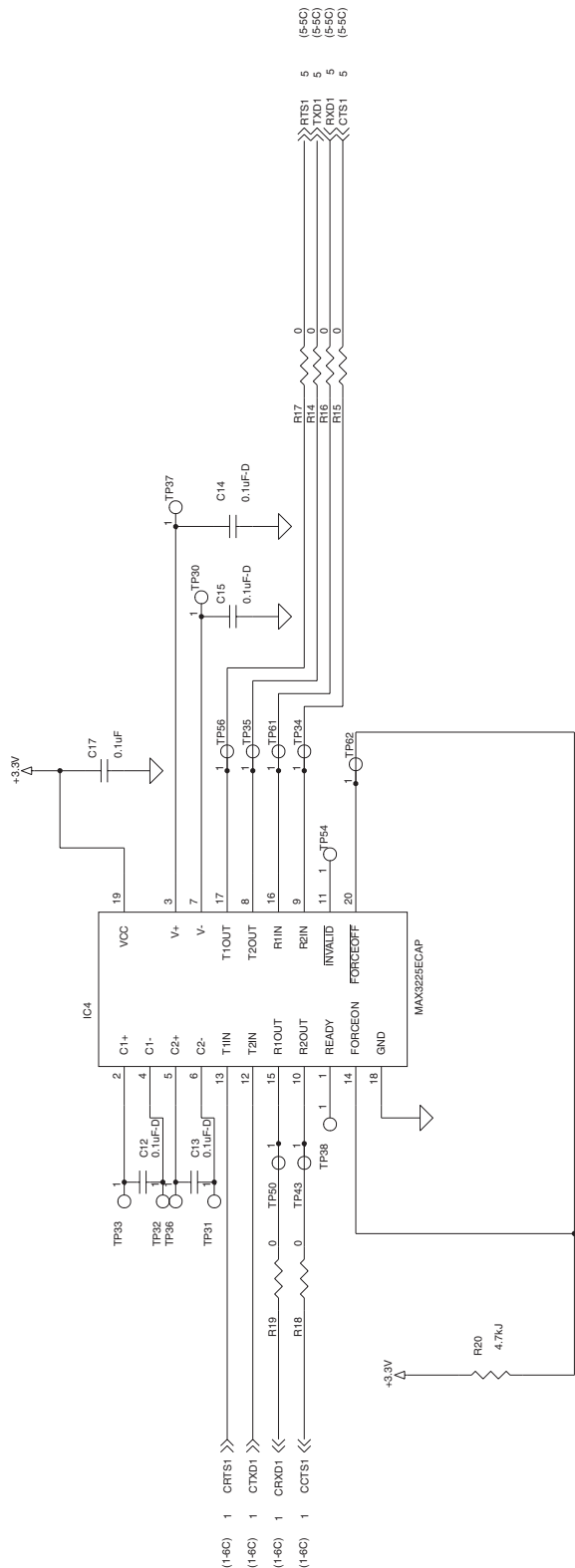
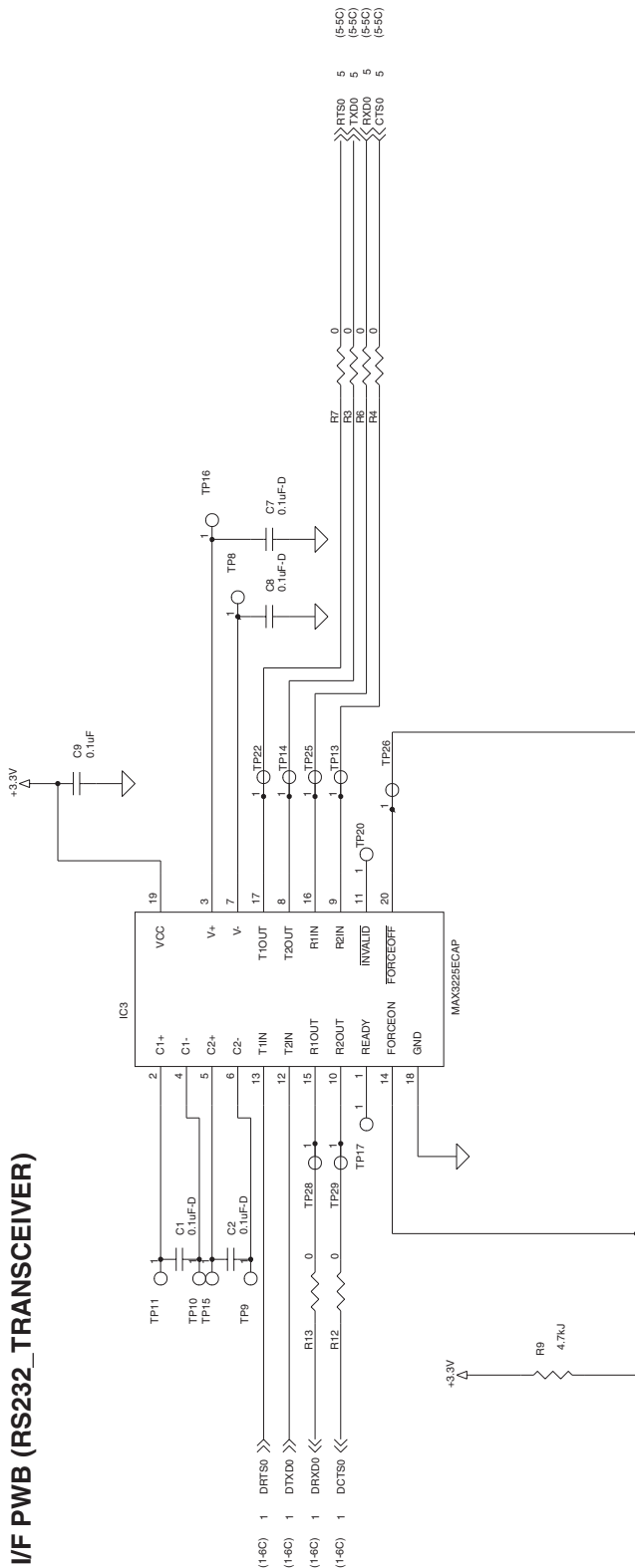


2. CIRCUIT DIAGRAM / 回路図



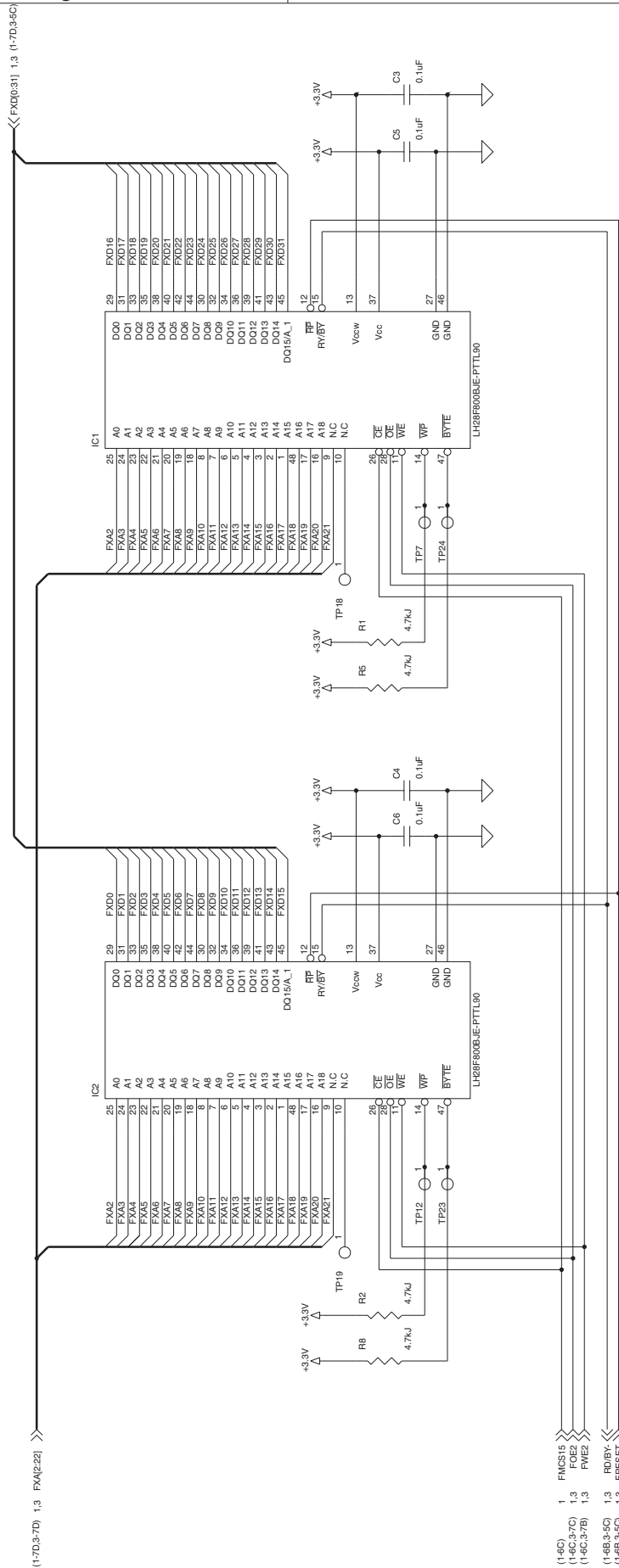
FAX I/F PWB (RS232_TRANSCEIVER)

2/5



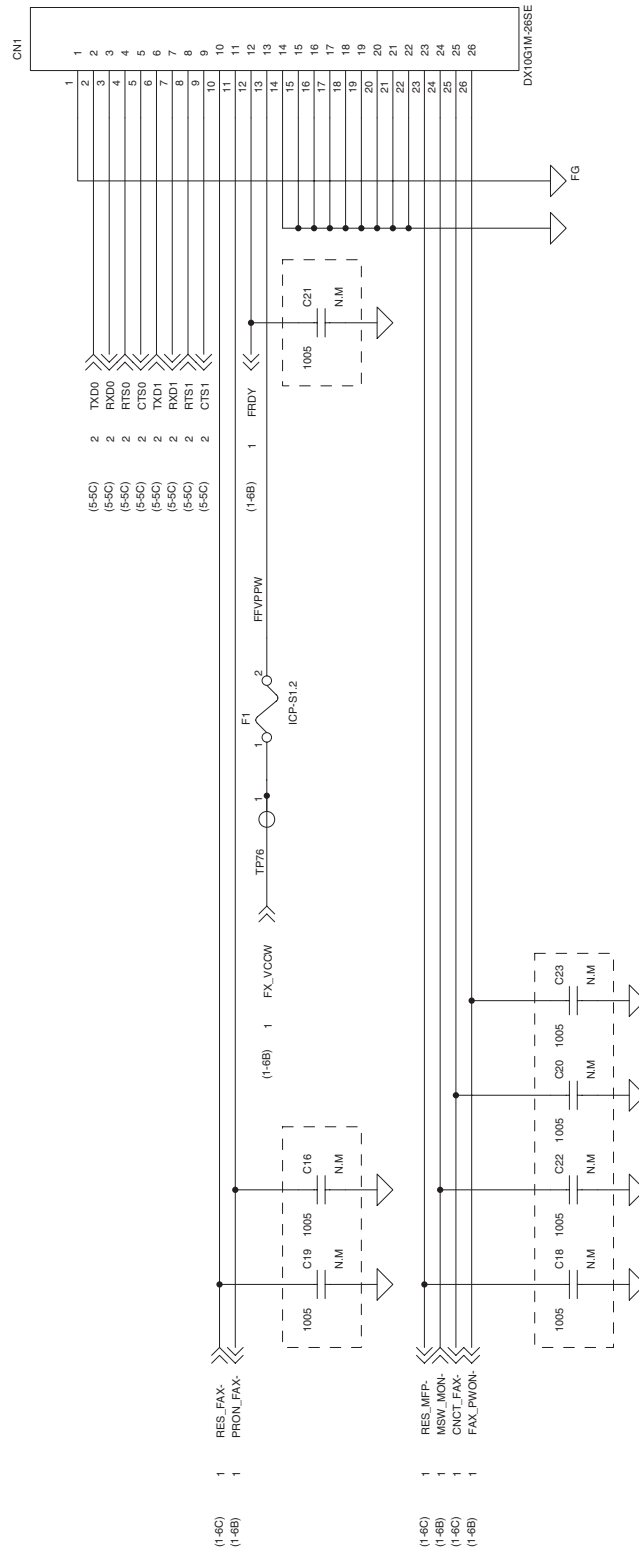
FAX I/F PWB (Onboard_FLASH)

4/5



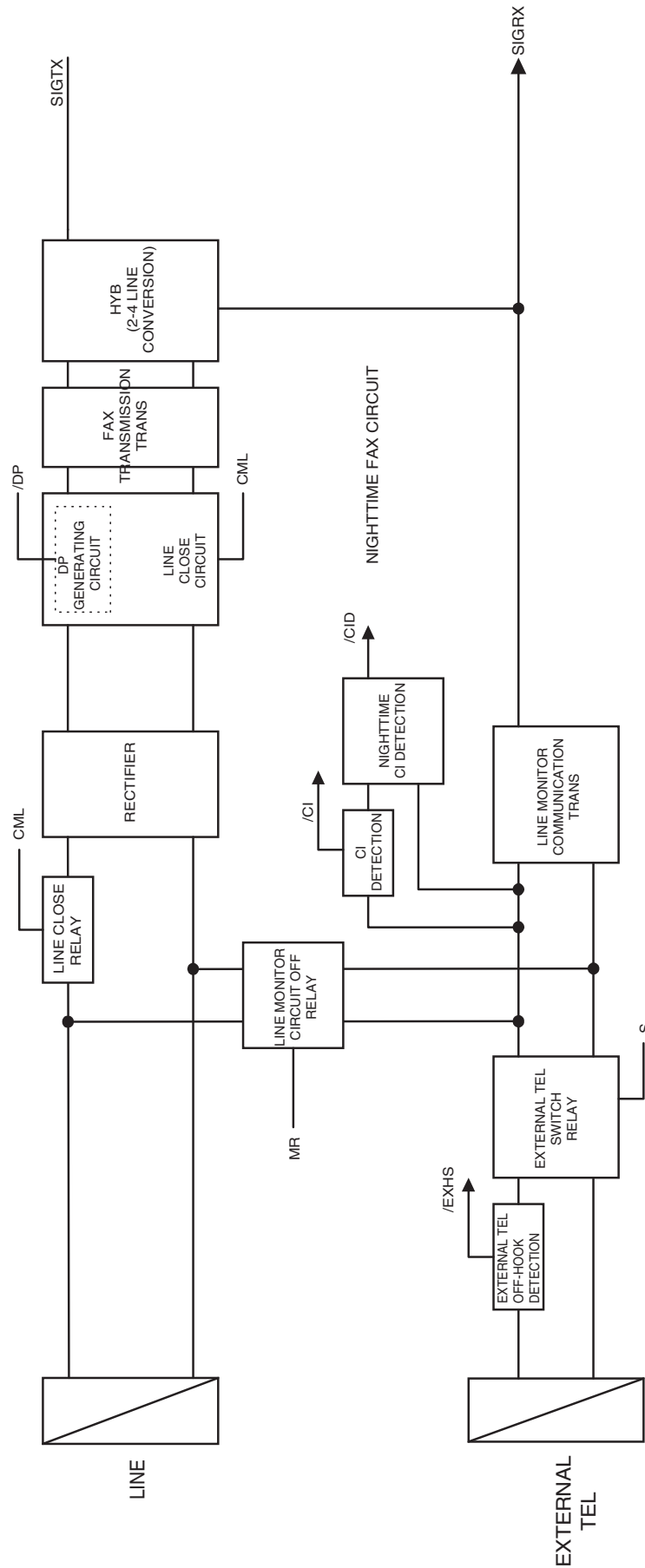
FAX I/F PWB (FAX_CONNECTOR)

5/5

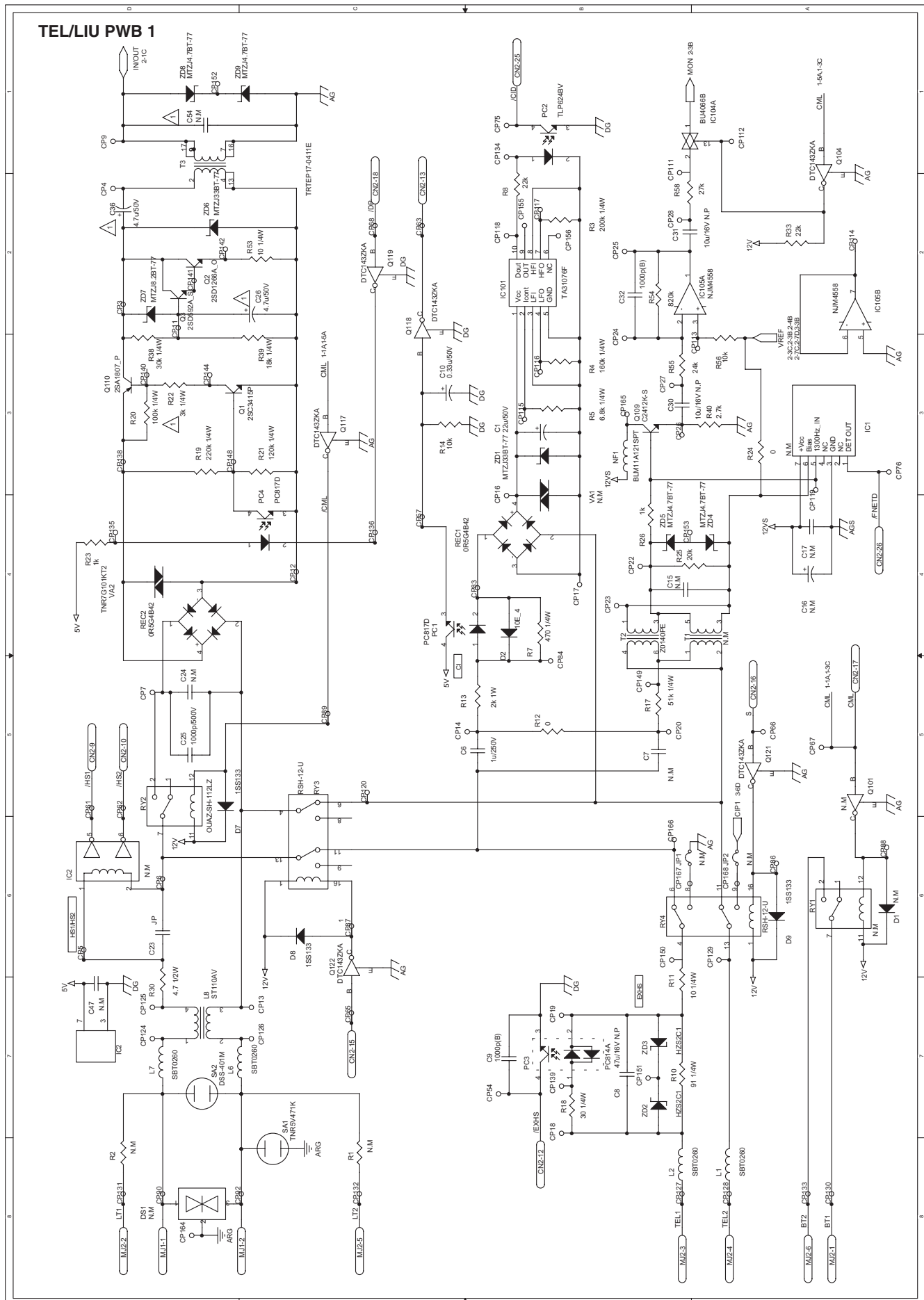


[4] TEL / LIU PWB

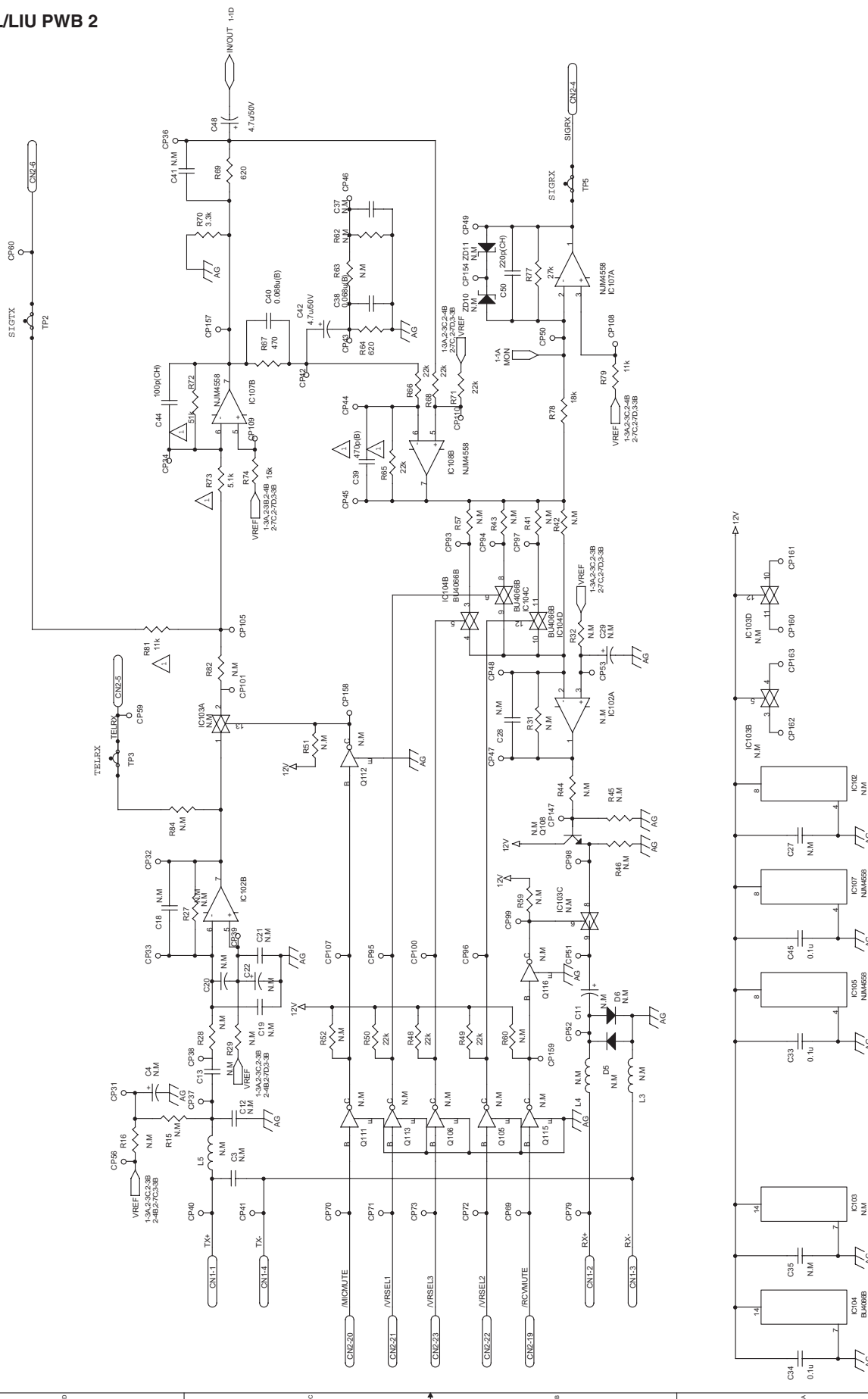
1. BLOCK DIAGRAM / ブロック図



2. CIRCUIT DIAGRAM / 回路図



TEL/LIU PWB 2



Japan Only

| ML2 | ML-66J-RD315 | |
|-----|--------------|-----|
| | 1 | BT1 |
| 2 | LT1 | |
| 3 | TEL1 | |
| 4 | TEL2 | |
| 5 | LT2 | |
| 6 | BT2 | |

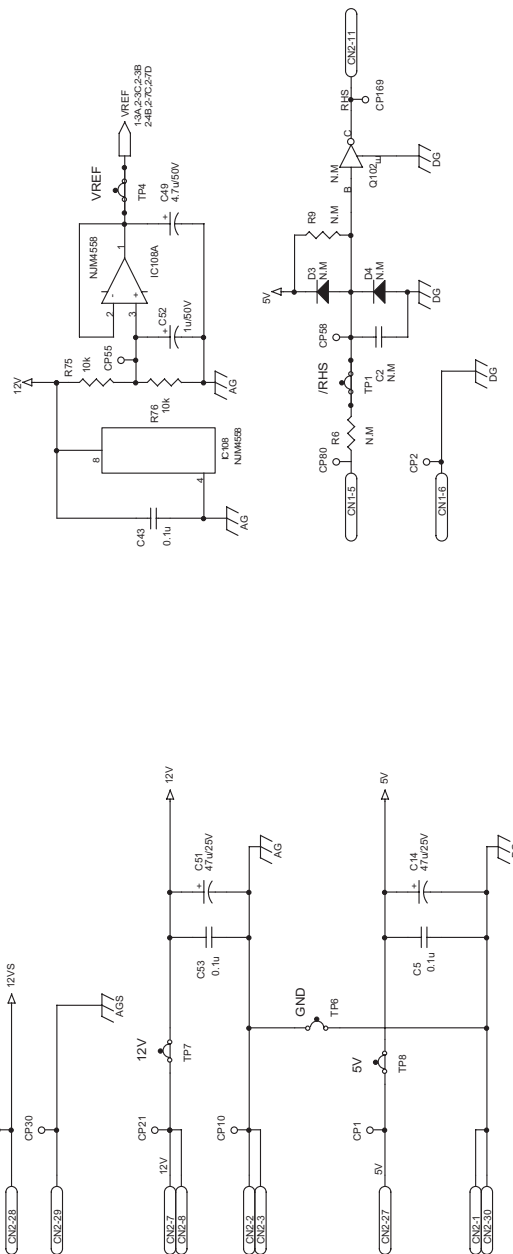
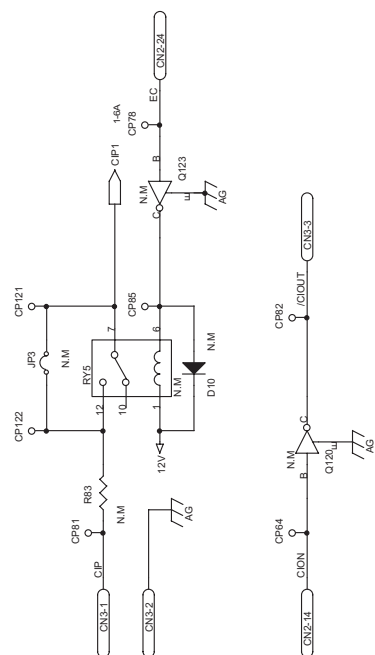
| | |
|-----|------------|
| CN3 | S03BXASK-1 |
| 1 | CIP |
| 2 | AG |
| 3 | /COUT |

| | |
|-----|------------|
| MU1 | MU62JRD315 |
| 1 | L1 |
| 2 | L2 |

Japan Only

| CN1 | MD-S610-80 |
|-----|------------|
| 1 | TX+ |
| 2 | RX+ |
| 3 | RX- |
| 4 | TX- |
| 5 | /RHS |
| 6 | DG |

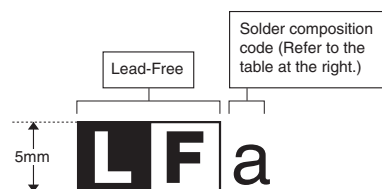
| QX2 | 30FE-BT-WGN | | | | | | | | | |
|-----|-------------|----|----|---------|--|--|--|--|--|--|
| | DG | 1 | 2 | AG | | | | | | |
| | AG | 3 | 4 | SIGRX | | | | | | |
| | TBLRX | 5 | 6 | SIGTX | | | | | | |
| | 12V | 7 | 8 | 12V | | | | | | |
| | RSI | 9 | 10 | #S2 | | | | | | |
| | RHS | 11 | 12 | #HS | | | | | | |
| | ICI | 13 | 14 | CON | | | | | | |
| | MR | 15 | 16 | S | | | | | | |
| | CAL | 17 | 18 | DP | | | | | | |
| | RC/MUTE | 19 | 20 | #MCMUTE | | | | | | |
| | #MSEL1 | 21 | 22 | #MSEL2 | | | | | | |
| | #MSEL3 | 23 | 24 | EC | | | | | | |
| | #CID | 25 | 26 | #NETID | | | | | | |
| | 5V | 27 | 28 | 12V | | | | | | |
| | ACS | 29 | 30 | DG | | | | | | |



LEAD-FREE SOLDER

The PWB's of this model employs lead-free solder. The "LF" marks indicated on the PWB's and the Service Manual mean "Lead-Free" solder. The alphabet following the LF mark shows the kind of lead-free solder.

Example:



<Solder composition code of lead-free solder>

| Solder composition | Solder composition code |
|-------------------------|-------------------------|
| Sn-Ag-Cu | a |
| Sn-Ag-Bi Sn-Ag-Bi-Cu | b |
| Sn-Zn-Bi | z |
| Sn-In-Ag-Bi | i |
| Sn-Cu-Ni | n |
| Sn-Ag-Sb | s |
| Bi-Sn-Ag-P Bi-Sn-Ag | p |

(1) NOTE FOR THE USE OF LEAD-FREE SOLDER THREAD

When repairing a lead-free solder PWB, use lead-free solder thread.

Never use conventional lead solder thread, which may cause a breakdown or an accident.

Since the melting point of lead-free solder thread is about 40°C higher than that of conventional lead solder thread, the use of the exclusive-use soldering iron is recommendable.

(2) NOTE FOR SOLDERING WORK

Since the melting point of lead-free solder is about 220°C, which is about 40°C higher than that of conventional lead solder, and its soldering capacity is inferior to conventional one, it is apt to keep the soldering iron in contact with the PWB for longer time. This may cause land separation or may exceed the heat-resistive temperature of components. Use enough care to separate the soldering iron from the PWB when completion of soldering is confirmed.

Since lead-free solder includes a greater quantity of tin, the iron tip may corrode easily. Turn ON/OFF the soldering iron power frequently.

If different-kind solder remains on the soldering iron tip, it is melted together with lead-free solder. To avoid this, clean the soldering iron tip after completion of soldering work.

If the soldering iron tip is discolored black during soldering work, clean and file the tip with steel wool or a fine filer.

無鉛はんだについて

当モデルの基板は、無鉛はんだを採用しています。LF マークは無鉛はんだを意味するマークで、基板及びサービスマニュアルに記載しています。

LF マークのあとのアルファベットは、無鉛はんだの種類を表しています。

例：



<無鉛はんだの組成表示記号について>

| はんだ組成 | 組成表示記号 |
|-------------------------|--------|
| Sn-Ag-Cu | a |
| Sn-Ag-Bi Sn-Ag-Bi-Cu | b |
| Sn-Zn-Bi | z |
| Sn-In-Ag-Bi | i |
| Sn-Cu-Ni | n |
| Sn-Ag-Sb | s |
| Bi-Sn-Ag-P Bi-Sn-Ag | p |

(1) 無鉛系はんだの使用に関する注意事項

無鉛はんだ基板をはんだ付け修理される場合は、無鉛系はんだを使用してください。

従来の鉛系はんだでの修理は、クラックなどによる故障や事故の恐れがありますので、使用しないでください。

無鉛系はんだの融点は鉛系はんだより約 40 °C 高いことから、専用のはんだごての使用をおすすめします。

(2) はんだ付け作業に関する注意事項

無鉛はんだは融点が約 220 °C で、従来の鉛はんだより約 40 °C 高いことと、はんだぬれ性が劣るため、はんだごてを長時間基板に接触しがちになりますが、ランド剥離や、部品耐熱温度を超える可能性があるため、はんだ接合完了を確認した時点で、はんだごてを基板から離してください。

無鉛はんだは、錫成分が増えることから、こて先の腐蝕が進みやすいので、はんだごてはこまめに電源 ON/OFF をおこなってください。

はんだごてに異種はんだが残っていると、無鉛はんだと一緒に合金化するため、はんだ付け後、こて先を清浄してください。

はんだ付け時にこて先が黒く変色した時は、スチールウールまたは目の細かい紙やすりでこて先を清浄してください。

CAUTION FOR BATTERY REPLACEMENT

- (Danish) ADVARSEL !
Lithiumbatteri – Eksplosionsfare ved fejlagtig håndtering.
Udskiftning må kun ske med batteri
af samme fabrikat og type.
Levér det brugte batteri tilbage til leverandoren.
- (English) Caution !
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type
recommended by the manufacturer.
Dispose of used batteries according to manufacturer's instructions.
- (Finnish) VAROITUS
Paristo voi räjähtää, jos se on virheellisesti asennettu.
Vaihda paristo ainoastaan laitevalmistajan suosittelemaan
tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden
mukaisesti.
- (French) ATTENTION
Il y a danger d'explosion s' il y a remplacement incorrect
de la batterie. Remplacer uniquement avec une batterie du
même type ou d'un type équivalent recommandé par
le constructeur.
Mettre au rebut les batteries usagées conformément aux
instructions du fabricant.
- (Swedish) VARNING
Explosionsfara vid felaktigt batteribyte.
Använd samma batterityp eller en ekvivalent
typ som rekommenderas av apparatillverkaren.
Kassera använt batteri enligt fabrikantens
instruktion.
- (German) Achtung
Explosionsgefahr bei Verwendung inkorrektter Batterien.
Als Ersatzbatterien dürfen nur Batterien vom gleichen Typ oder
vom Hersteller empfohlene Batterien verwendet werden.
Entsorgung der gebrauchten Batterien nur nach den vom
Hersteller angegebenen Anweisungen.

CAUTION FOR BATTERY DISPOSAL

- (For USA,CANADA)
Contains lithium-ion battery. Must be disposed of properly.
Remove the battery from the product and contact
federal or state environmental
agencies for information on recycling and disposal options.

SHARP

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